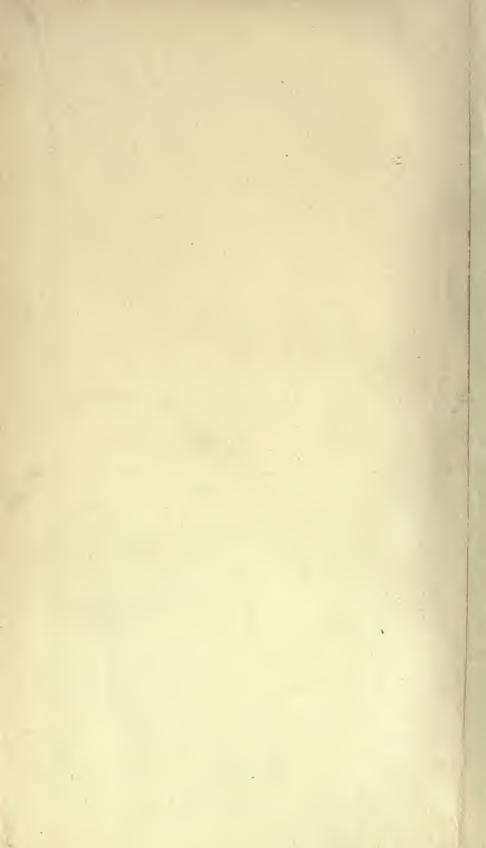


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THE ROYAL CANADIAN INSTITUTE



AN ACCOUNT OF THE STRATA

OF

3172

NORTHUMBERLAND AND DURHAM

AS PROVED BY

BORINGS AND SINKINGS.

S-T.

ISSUED BY THE COUNCIL OF THE NORTH OF ENGLAND INSTITUTE OF MINING AND MECHANICAL ENGINEERS.

newcastle=upon=Tyne:

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655907

AN ACCOUNT OF THE STRATA

NORTHUMBERLAND AND DURHAM

AS PROVED BY

BORINGS AND SINKINGS.

No. 1,631.—SACRISTON.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat.

Long.

Account of Strata bored through in Lingey Close, near the Lane, Sacriston Royalty. First Hole.

Approximate surface level feet above sea (Ordnance datum).

						- 1				
Soil		Ft. In. Fs. 0 10	Ft. In.	Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In. 0
Strong brown clay		5 3		White post, with water		4		19	0	U
Sand and gravel	0	4 0		Grey metal stone, with	U	46	4			
Sand and graver	0	4 U		Grey metal stone, with	^	0				
Loamy sand	0	2 0 5 0		post girdles	0	2	3			
Blue clay	U	5 0		post girdles Strong whin Strong white post	Û	0	7			
Clay, mixed with sand		0.11		Strong white post	0	3	1			
and stones	1	3 11		Blue metal stone,						
Whinstone (tumblers)	0	2 0		mixed with post		_	_			
Sand	0	2 0 2 0 1 3 1 6		girdles	0	5	3			
Strong clay	0	1 3		Strong grey post, with						
White post	0	1 6		water	1	0	6			
Grey metal	0	4 0		Grey metal stone, with						
Black stone, mixed				post girdles	0	5	10			
with coal	0	0 10		Ft. In.						
Ft. In.				COAL 0 1						
COAL 0 6				Grey metal stone 0 2						
Black stone 0 4				COAL 0 3						
COAL, foul 0 11				Dark metal stone 3 8						
	0	1 9		COAL 0 4						
Grey metal, mixed	Ŭ			Dark metal 0 4						
with post girdles	3	4 2		COAL 0 8						
COAL	0	3 6			0	5	6			
		13	0 0			-		9	1	3
Grey metal stone	0		0 0	Grey metal	0	0	5	J		U
	1	5 1		White and grey post,	U	·	U			
White post		0 1		with metal partings	2	0	0			
Grey metal, with whin		1 10		with metal partings	2	U	U			
girdles	1	1 10								
C	-	3 11 13	0 0	Carried forward	2	0	5	22	1	2
Carried forward	3	3 11 13	0 0	Carried forward	4	U	9	24	T	0

No. 1,631.—SACRISTON.—CONTINUED.

Brought forward Grey metal stone, with		Ft.	In. 5	Fs. 22	Ft.	In. 3	Brought forward 4 4 2 22 1 3 Strong grey post 2 3 6
post girdles Strong grey post Grey metal, with post	1 0	1	0				Strong metal and post girdles 0 1 8 Strong white post 0 1 7
girdles	0	4	6				7 4 11
Carried forward	4	4	2 2	22	1	3	Total <u>30 0 2</u>

No. 1,632.—SACRISTON.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 49' 33'', Long. 1° 38' 3''.

Account of Strata bored through about 200 yards West of the Pit, Sacriston Royalty.

Second Hole.

Approximate surface level 490 feet above sea (Ordnance datum).

~ "	Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Soil	$\begin{bmatrix} 0 & 0 & 9 \\ 1 & 0 & 0 \end{bmatrix}$	Brought forward 18 1 2 Seggar clay 0 2 0
Blue and yellow elay Loamy sand and water		Seggar clay 0 2 0 Strong grey metal and
Loamy sand		metal stone 0 2 9
Loamy elay		Whin 0 0 7
Loamy sand		Strong grey post, with
Brown post	0 0 8	metal partings 1 2 4
Grey metal stone	1 5 10	Dark grey metal 1 2 9
Light grey post, with		Strong white post 1 5 2
water	0 2 8	Grey metal stone, with
Grey metal stone, with		post girdles 3 1 4
post girdles		Grey post 0 0 7
Grey post		COAL, mixed
COAL-5/4 Seam		with black Ft. In.
Dark stone	0 4 10	stone 0 3½ COAL 0 9
COAL	0 4 10 0 0 8	
Grey metal stone, with	0 0 0	$\frac{0 \ 1 \ 0^{\frac{1}{2}}}{9 \ 0 \ 6^{\frac{1}{3}}}$
post girdles	3 3 6	Grey metal stone and
Dark metal, with scares		ironstone balls 0 4 10
of coal	0 1 0	Ft. In.
Ft. In.		COAL 0 7
COAL 0 4		Grey metal band 0 5
Brass band 0 1		COAL 0 8
COAL 1 4		Grey metal band $0 1\frac{1}{2}$
	0 1 9	COAL 0 2
Dowle motel mired	4 5 9	$ 0 1 11 \frac{1}{2}$
Dark metal, mixed with coal	0 0 10	Grey metal 1 1 8
Grey metal stone	0 5 2	Grey post, with metal partings 5 5 0
COAL—Main Coal	0 3 6	partings 5 5 0 In white post 1 1 0
	1 3 6	9 2 5 1
	- 0	3 2 02
1		
Carried for	ward 18 1 2	Total *36 4 2

^{*} Approximate sea level 270 feet below this.

No. 1,633.—SACRISTON.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in the Third Hole, near the Bridge on the Durham and Nettlesworth road, and near the Gate leading to the Houses, Sacriston Royalty.

feet above sea (Orduance datum). Approximate surface level

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Soil 0 2 0	Brought forward 10 3 11
Soil 0 2 0 Strong clay 0 2 0 Sand and gravel 1 3 6	Black stone, mixed
Sand and gravel 1 3 6	with coal 0 2 6
Grey metal stone 0 2 8	Dark metal, mixed
Strong grey post,	with coal 0 3 4
mixed with whin 0 1 1	COAL 0 0 7
Grey metal stone 2 1 11	Black stone, with foul
Grey post, mixed with	coal 0 0 3
whin 0 3 0	Black stone 0 0 5
Grey metal stone, with	Grey metal stone 0 1 0
post girdles 4 2 7 COAL 0 3 2	1 2 1
10 3 11	
Carried forward 10 3 11	Total 12 0 0

No. 1,634.—SACRISTON.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat.

Long.

Account of Strata bored through in the Fourth Hole, about 10 yards North of Mr. Darling's House, Sacriston.

Approximate surface level feet above sea (Ordnance datum).

Soil Yellow clay Yellow sand Sand, with water Brown stony clay Tumbling stone, post Strong brown clay Grey post, with metal partings	0 1 0 3 0 1 1 4 1 3 0 1 0 4	0 6 6 6 8	Brought forward 6 0 8 Grey metal stone and post girdles, with water 3 0 6 COAL 0 3 0 Black stone 0 0 10
Carried forward			Total 9 5 0

No. 1,635.—SACRISTON.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in the Fifth Hole, being at Charlaw, where the pit is sunk to the Five-Quarter Seam.

Approximate surface level feet above sea (Ordnance datum).

Seil Brown stony clay Blue metal Grey post		0 3 1	$\frac{1}{2}$	6 3 5	s. Ft. In	Brought forward 9 5 6 Grey metal 0 1 6 COAL-5/4 Seam 0 3 4 Dark grey metal,
Blue metal Grey post Carried forwar	•••	1 3	1 2	3 6		mixed with coal 0 0 6 10 4 10 Total 10 4 10

No. 1,636.—SACRISTON.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in the Sixth Hole, Sacriston Colliery. 1839. Approximate surface level feet above sea (Ordnance datum).

Soil and loose stones Fs. Ft. In. Fs. Ft. In. 2 1 3	Brought forward Fs. Ft. In. Fs. Ft. In. 15 1 7
Post 0 5 0	Dark stone 0 4 10
Ft. In.	COAL 0 0 8
COAL 0 6	Grey metal stone, with
Thill 1 2 COAL 0 5	strong post girdles 3 3 6
	Dark metal, with scares
PM1 171	of coal 0 1 0
Thill 0 2 0 Blue metal 0 0 8	COAL 0 4
Ironstone 0 1 0	Brass band 0 1
Blue metal 0 1 5	COAL 1 4
Whin 0 1 0	0 1 9
Grey metal 4 0 0	4 5 9
Grey metal, with	Dark metal, mixed
girdles 1 3 4	with coal 0 0 10
Post 1 2 0	Grey metal stone 0 5 2
Post, mixed with whin 0 4 6	COAL-Main Coal
Grey metal 0 3 10	Seam 0 3 6
Post 2 0 0	1 3 6
COAL-5/4 Seam 0 3 6	1 0 0
15 1 7	
Carried forward 15 1 7	
Carried forward 15 1 7	Total 21 4 10

No. 1,637.—SACRISTON.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Orduance Map. Lat. , Long.

Strata bored through in the Seventh Hole, near the New Grove, Sacriston.

Approximate surface level f

feet above sca (Ordnance datum).

01										Fs.	Ft.	In.	
Clay			***		 •••	• • •		_	0				
Sand					 				0				
Clay					 		3	1	0				
Sand					 	•••	0	2	0				
Grey	metal				 		1	2	Ó				
COA	L-M	ain Co	al		 		0	3	1				
										9	5	1	
				Total	 					9	5	1	

No. 1,638.—SACRISTON.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 45′ 52″, Long. 1° 37′ 36″.

Sinking Account of the Findon Hill Pit, Sacriston Colliery. August 9th, 1865.

Approximate surface level 556 feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Strong clay, mixed	Brought forward 5 4 0 11 5 1
with soil 3 4 0	COAL 0 0 8
Sand and gravel (200	Soft thill stone 0 5 10
gallons of water per	COAL, with stone
hour) 0 2 0	band 0 1 6
Black stone and coal 0 3 0	Strong grey metal 0 4 7
Seggar clay 1 0 0	Strong grey metal 0 4 7 White post 6 1 6
Strong grey metal 4 2 0	The part of the pa
White west 1 4 0	Main Coal Seam-
White post 1 4 0	Ft. In.
COAL, good—Five-	COAL, good 3 4
Quarter Seam 0 2 1	Gulint, good 5 4
11 5 1	Splint 1 5
Seggar clay 1 2 0	0 4 9
Strong grey metal,	14 4 10
mixed with iron	
girdles 4 2 0	
	Total #00 0 11
Carried forward 5 4 0 11 5 1	Total *26 3 11
	•

^{*} Approximate sea level 396 feet below this.

No. 1,639.—ST. ANTHONY'S.

TOWNSHIP OF BYKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

Account of a Boring in the Farewell Pit, at St. Anthony's Colliery. August 11th, 1769.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Sunk to the scaffold, about				12	3	0	Brought forward 7 3 6 36 0 0 Black stone, mixed
Sunk further :-							with whin 0 1 0
Box	0						Grey metal and metal
Grey girdly stone	2	0					stone, with girdles
COAL	0	0	9	2	4.	9	and water 5 2 0
Grey metal and girdles	4.	0	_	4	生	ð	Strong white post 1 0 0 Black grey metal 0 2 6
Thready post		1					Grey metal and metal
Blue grey metal stone	1	4	3				stone, with post
Bored :-							girdle 3 5 6
Blue grey metal stone	0	1	9				COAL, foul 0 1 8
Grey post, with open							18 4 2
partings, set away the water	7	0	0				Gran and blue metal
Grey metal girdles	2	0	0				Grey and blue metal
Grey metal girdles Grey post Grey post	ī	2	0				and hard girdles 3 3 0 Black metal 2 3 0
Grey post	2	5	0				Grey metal 0 3 0 Grey girdly stone 1 1 0
							Grey girdly stone 1 1 0
70-Fathom Coal— Ft. In.							Strong white post, with
COAL 1 1							a mixture of whin
Grey metal 6 0							in several places 9 4 10 Blue grey metal and
COAL 0 8							girdles 1 3 0
	1	1	9	20			COAL and dust—
C motal stone and	_		_	20	4	3	High Main Seam 1 0 0
Grey metal stone and girdles	7	3	6				19 5 10
g.: u.co			_				
Carried forward	7	3	6	36	0	0	Total 74 4 0

No. 1,640.—ST. ANTHONY'S.

TOWNSHIP OF BYKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

Bored in the Farewell Pit, St. Anthony's Colliery. 1787.

Approximate surface level feet above sea (Ordnance datum).

Sunk to the thill of	Fs.	Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. In. 96 3 0
the Main Coal Below do. the scaffold	76 20		0	Box 3 0 0 White post 0 4 0
Carried forward	96	3	0	Carried forward 3 4 0 96 3 0

This section (1,010) is in places similar to 1,642.

No. 1,640.—ST. ANTHONY'S.—CONTINUED.

			In. Fs.		Fs. Ft. In. Fs. Ft. In.
Brought forward			0 96	3 0	Brought forward 7 2 0 116 0 9
COAL	0	0	6		6/4 Seam— Ft. In.
Strong grey metal					COAL 0 9
stone, with post					Grey metal 0 6
girdles	2		6		COAL 2 0
Strong white post	1	1	0		0 3 3
Whin		1	0		7 5 3
Blue metal stone	1	2	7		Grey metal 0 0 8
Grey metal stone,			·		Grey metal stone and
with post girdles	2	4	5		whin girdles 1 4 2
Blue metal stone, with	_	-			Grey metal and girdles 1 3 0
	1	4	3		5113
whin girdles	1	*36	U		
D 7 C					
Bensham Seam-					Grey metal 0 3
Ft. In.					COAL 2 8
COAL 2 9					0 3 2
Band, or brass					3 5 0
lumps 0 2					Blue and grey metal 0 4 0
COAL 0 9					COAL, foul 0 0 8
	0	3	8		Grey metal 0 0 1
			13	3 11	White post 0 3 0
Blue grey metal	0	1	6		Blue and grey metal
White post	2	0	7		stone, with girdles 2 0 0
White post, mixed with		Ť	•		White post, mixed with
1 *	2	0	0		0.4.0
	ĩ				Grey metal stone 0 2 6
Dark blue metal	1	1	3		
0011	0	0	6		0.0.1
COAL	U	U		F 10	
G 4.7		_	5	5 10	Low Main Seam-
Grey metal	0	0	5		COAL, with
Grey metal stone and	_				sulphur or Ft. In.
girdles	2	2	0		water 6 0
White post, mixed with					COAL, with
whin	3	0	7		scares of
Whin	0	1	0		brass 0 6
White post, mixed with					1 0 6
whin	1	0	6		7 2 6
Dark grey metal stone	0		6		In blue grey metal 0 1 2
Zuriz grej metur stone					211 2140 810J Incom
Carried forward	7	2	0 116	0 9	Total 135 2 8
Carried for ward	•	64	0 110	0 0	10tal 135 Z 8

No. 1,641.—ST. ANTHONY'S.

TOWNSHIP OF BYKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. 54° 57′ 40″, Long. 1° 33′ 8″.

Bored in the Nightingale Pit, St. Anthony's Colliery. June 11th, 1787.

Approximate surface level 60 feet above sea (Ordnance datum).

Sunk below the High Main Coal Seam	10	0	0	Ft. In. *	Brought forward 15 0 0 Whin 0 0 6 Blue metal 0 1 0
Carried forward	15	0	0		Carried forward 15 1 6

^{*} Approximate sea level (Ordnance datum)

No. 1,641.—ST. ANTHONY'S.—CONTINUED.

Fs. Ft. In. Fs. Ft. In. Brought forward 15 1 6	Fs. Ft. In. Fs. Ft. In. Brought forward 18 5 1
White post 0 1 0 Blue metal 0 1 0	Blue stone, with grey girdles 2 2 0 COAL—Yard Seam 0 3 0
Strong white post 3 1 0 Brown post, with a little water 0 0 7	Bored further:—
	Blue metal 0 2 0
Carried forward 18 5 1	Total <u>22 0 1</u>

No. 1,642:—ST. ANTHONY'S.

TOWNSHIP OF BYKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. 54° 58′ 5″, Long. 1° 33′ 25″.

Strata sunk through from the surface to the Low Main Coal, in the Restoration Pit, St. Anthony's Colliery, the first Pit opened in that seam.

Approximate surface level 135 feet above sea (Ordnance datum).

Soil Fs. Ft. In. Fs. Ft. In. Clay 4 4 0	Brought forward Grey metal stone	Fs. 64 2	0	In. Fa	. Ft.	In.
Brown post 12 0 0	Strong white post	6	0	0		
COAL 0 6 6 Blue metal stone 2 5 0	Black metal stone, with post girdles	3	0	0		
White girdles 2 1 0	COAL—High Main	o	U	U		
COAL 0 0 8	Seam	1	0	0		
White and grey post $\left\{\begin{array}{ccc} 0 & 1 & 10 \\ \hline 5 & 4 & 2 \end{array}\right\}$	0 11			— 76	0	0
, 0 = =	Grey metal	4	3	0		
Soft blue metal stone 5 0 0 COAL 0 0 6	Post girdles Blue metal	0	$\frac{2}{4}$	0		
White post girdles 3 0 0	Girdles	0	1	2		
Whin 1 4 6	Blue metal stone	5	Ô	õ		
Strong white post 3 1 0	Post	0	1	0		
COAL 0 1 0	Blue metal stone	3	0	0		
Soft blue thill 1 5 0	Whin and blue metal	0	1	6		
Soft girdles, mixed	Strong white post	3	3	0		
with whin 3 5 0 COAL 0 0 6	Brown post, with water Blue metal stone, with	0	0	7		
Blue and black stone 3 4 0	grey girdles	2	2	0		
COAL 0 0 8	COAL-Yard Seam	õ	3	0		
Strong white post 1 3 0	20,000			_ 20	3	3
Grey metal stone 1 4 0	Blue metal stone	3	0	3		
COAL 0 0 8	White post	0	4	0		
Grey post, mixed with	COAL	0	0	6		
whin 4 1 0	Strong grey metal,	_	^			
Grey girdles 3 1 0 Blue and black stone 2 2 0	with post girdles	2	$0 \\ 1$	6		
Blue and black stone 2 2 0 COAL 0 1 0	Strong white post Whin	1	1	0		
	Blue metal stone	í	2	7		
-						_
Carried forward 64 0 0	Carried forward	8	3	10 96	3	3

^{*} Approximate sea level (Ordnance datum).

No. 1,642.—ST. ANTHONY'S.—CONTINUED.

Brought forward					Ft.		Rearcht forward		Ft.				
Brought forward Grey metal stone, with	0	J	10	90	0	J	Brought forward Grey post, with black	O	2	U.	เออ	1	0
post girdles	2	4	5				metal partings	2	0	0			
Blue metal stone, with	~	-	·				Black metal stone,	4	U	U			
whin girdles	1	4	3				with whin girdles	1	1	0			
COAL—Bensham	_	-30	J					0					
Seam	0	1	6				COAL			10	8	2	10
		-		13	2	0			1		G	U	10
Blue grey metal	0	. 3	8	10	_	~	Blue or black stone or						
White post	2	0	7				thill	0	1	2			
White post, mixed	-	v	•				Blue metal stone	0		0			
with whin	2	0	0				Grey post	ő	3	2			
White post	ī	2	ő				White post, mixed	Ů	0	_			
Dark blue metal and	-	_	•				with whin, with a						
coal	0	2	2				parting at 17 inches	0	3	2			
Grey metal stone and	Ŭ	_	_				Blue metal stone	ő	1				
girdles	2	2	0				Whin		ō	3			
White post, mixed	_	_	Ŭ				Blue metal stone	ŏ	ŏ	8			
with whin	3	0	7				\$371 · .	ő	0				
Whin	0	ĭ	ó				Blue metal stone	ő		1			
White post, mixed	-						Grey post	ő					
with whin	1	0	6				Black stone	ŏ					
Dark grey metal stone	ō		_6				Whin	ŏ	ŏ.	3			
COAL-6/4 Seam	Õ		3				Blue stone, with whin	v	Ŭ				
0,1	_	_		14	1	3	girdles	1	2	3			
Grey metal and whin					_		Grey post	ī	ī	4			
girdles	1	4	10				Blue metal stone	õ	î	3			
Grey metal and girdles	1		0				Grey metal stone, with	Ŭ	•	•			
White post	0		0				whin girdles	0	5	3			
COAL-5/4 Seam	0	3	2				Whin	Ŏ	ő	6			
7,2				4	2	0	Grey metal stone, with		Ŭ	•			
Blue and grey metal	0	4	0				whin girdles	0	5	3			
COAL, foul	0		_				Blue metal stone	Ō	ĭ	6			
Blue and grey metal	2	0	0				COAL	_	ō	2			
White post, mixed										_	`9	2	6
with whin	0	4	6								•	~	•
Grey metal	1	0	6				Grey metal stone	0	0 1	10			
Grey metal and girdles	1	0	9				Grev metal stone, very	-					
COAL - Low Main							strong	0	2	0			
· Seam	1	0	6				strong Whin	0	0 1	-			
				6	5	0	Grey metal stone	0	5				
Bored in the Restora-							Whin	0		4			
tion Pit Back Shaft							Grey post stone	0	0	4			
from Low Main							Whin	0		.0			
from Low Main Coal Seam, July							Grey metal stone	1	0	1			
12th, 1797:—							Black stone	_	1	5			
Grey metal stone, with							Sand	_	Q	4			
whin girdles	1	0	0				Grey post stone		3	8			
Grey post, mixed with							Blue metal stone		0	4			
whin	1	4					Grey metal stone	0	2	9			
Black metal stone		0					White post stone	0		6			
Brown post	0	4	0				Whin	0	0	4			
Whin, with metal										-	5	5	8
partings	1	0	0										
0 110	~	_			_	_				-	_	-	
Carried forward	5	2	0 :	135	1	6	Total			15	9	1_	6
													-

 Depth of a borehole put down near Byker Bar to a waste and rubbish, 5 feet, at ...
 Fs. Ft. In.

 27
 4
 2
 in 1795

 Also one in the Venture Pit to
 ...
 ...
 ...
 71
 1
 3
 , 1767

The above section is in places similar to 1,640.

No. 1,643.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38′ 32″, Long. 1° 41′ 37″.

Account of Borings in Sir P. Musgrave's Estate, near St. Helen's Auckland. First Place about 260 yards West from Broken Backed House and 230 yards North of the Lane. October 27th, 1828.

Approximate surface level 360 feet above sea (Ordnance datum).

													_
			In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil		0	9				Brought forward	8	4	6	16	3	4
Blue stony clay	0	3	9				Grey metal stone, in-				_		
Brown and grey metal	0	4	0.				clining to post near						
Grey post	0	2	3				bottom, with whin						
Grey metal stone	2	1	3				girdles and much						
COAL, with water-	_	_	_				water	4	1	8			
Four-Feet Coal	0	2	6				Black metal, mixed		_				
1007-1000 Cout				4	2	6	with coal	0	0	5			
Common at al	1	7		120	4	U	With coat	U	U	o			
Grey metal	1	1	0				W 1 C - 1 - 1 W						
Dark grey metal	0	5	0				Yard Coal or Harvey						
Strong brown and							Seam— Ft. In.						
white post, with							COAL 0 4						
water	1	3	6				Grey metal 0 2						
Black metal, with							COAL 0 5						
scares of coal	0	1	6				Dark grey						
Grey metal stone, with	_		_				metal 0 9						
post girdles and a							COAL, with						
							water 3 9						
strong feeder of	4	4	e				water 5 9	^	=	2			
water	^	4						U	5		11	_	
Black stone		1	3								14	0	0
COAL, with water	0	0	6										
				8	5	3	Grey metal	0	4	0			
Dark grey metal	0	1	0				Strong white post with						
Grey metal stone, with							metal partings and						
strong post girdles							water	1	1	8			
and water at 16								0					
fathoms, and coal							Grey metal stone	0	_				
pipes		0	3					0		10			
COAL, with water			4				The state of the s	U	4	10			
OOAL, with water	U	U	-30	3	7	7	Strong white post,	0	- 0	0			
Davids among atoms and the				9	1	1	mixed with whin	0	2	3			
Dark grey stone, with							Grey metal stone, with	_	_				
post girdles and							post girdles	2	0	6			
water	0	5	8				Dark grey metal stone,						
Strong white post,							with girdles	0	2	9			
with water	1	0	0				Strong thready post,						
Whin	0	0	10	•			with whin and water	0	1	8			
Strong white post,							Dark metal, mixed		-	-			
with water	0	3	8				with foul coal at						
Darkish grey metal								0	0	10			
	1	4	6				bottom						
	Т	*35	O				COAL, with water	U	Т	9	0	4	0
Grey metal, with iron-	1	0	0				D 1 111 1				6	4	0
stone girdles	1	3	0				Dark grey and black						
Dark grey metal stone		1	0				metal	0	2	3			
Grey metal stone, with							Grey metal and metal						
post girdles and							stone, with whin						
	1	3	0				girdles and water	2	0	5			
Whin	_		10				8	_	Ü				
				-				-					
Carried forward	8	4.	6	16	2	4	Carried forward	9	2	Q	37	1	-4
Carried for white	J	. 1	U	1.0	0	-11	Carried forward	4	4	0	0/	T	.F

No. 1,643.—ST. HELEN'S AUCKLAND.—CONTINUED.

				Fs.			Fs. Ft. In. Fs. Ft. In.
Brought forward	2	0		37	1	4	Brought forward 0 2 0 58 0 5
COAL			0				Strong white post, 1 3 7
Grey metal		0					and whin girdles
COAL				2	5	7	and with girdles (
Grev metal stone, with				-	Ü	•	Grey metal stone, with
whin girdles and							thin post girdles 2 0 0
water	4	5	1				COAL 0 0 7
Dark grey metal stone	ō		õ				Grey metal stone, with
Grey metal stone, with				,	•		some black scares 0 5 0
post and whin gir-							White post 0 2 0
dles	3	5	9				Grey metal stone 0 2 5
Strong white post,							White and grey post
mixed with whin		_					and whin girdles 1 3 8
and black scares	0	1	6				Grey metal stone, with
Grey metal stone,							post girdles near the
with post and whin	-	0	0				bottom 2 3 0
girdles	1		0				Grey metal stone (me-
Strong white post		4 0	6				tal last 6 inches) 0 2 0
Grey metal	0	1	3				Main Coal or Brock-
COAL	-0	1	J	12	0	5	well Seam—
Grey metal	0	1	9	12	·	U	Ft. In.
Dark grey metal stone,	Ŭ	_	·				COAL 0 11
with girdles	0	3	11				COAL, foul 0 2
Strong white post,							COAL, very
with metal partings	2	3	0				strong from
Strong white post,							16 inches 4 10
mixed with whin	2	2					0 5 11
COAL	0	0	5	_	_	_	7 0 0
				5	5	1	Whin 0 0 3
Darkish grey metal,							Whitish grey metal 0 2 0
with some scares of	0	0	0				White post 0 1 4
coal	0	2	0				0 3 7
Carried forward	0	2	0	58	- 0	5	Total 70 2 6
Carried forward	0	2	U	90	U	U	10001 10 2 0

^{*} Approximate sea level (Ordnance datum).

No. 1,644.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38′ 29″, Long. 1° 41′ 31″.

Account of Second Hole, about 150 yards South-east from First Hole. December 15th, 1828.

Approximate surface level 346 feet above sea (Ordnance datum.)

Soil Fs. Ft. In. Fs. Ft. In. Sand and water 0 0 10	Brought forward 0 2 1 Loamy clay 0 3 10 Stony clay 2 3 0
Carried forward 0 2 1	Carried forward 3 2 11

No. 1,644.—ST. HELEN'S AUCKLAND.—CONTINUED.

											-
	Fs.	Ft.	In.	Fs. Ft. In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	2	11		Brought forward						
		-				•	-	0			
Soft yellow rambly					Grey metal, with gir-						
post, with water	0	5	9		dles	0	2	9			
Whitish brown post					COAL, with water,						
	1	ย	U								
Brown and grey metal					which ran to top	U	2	4			
stone	1	0	0		Darkish metal	0	0	6			
Grey metal stone, with		•							10	7	7
		_						;	IO	Т	T
water	2	1	10								
C	^	-	0		m / 1			44.	10	-	4
Carried forward	9	1	0		Total			77.	IU	1	1
								-		_	-

^{*} Approximate sea level 285 feet below this.

No. 1,645.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38′ 29″, Long. 1° 41′ 30″.

 $Third\ Hole,\ about\ 156\ yards\ South-east\ from\ First\ Hole.$

Approximate surface level 344 feet above sea (Ordnance datum).

Soil Brown stony clay, with	Fs. Ft. In. Fs. Ft. In. 0 1 0	Brought forward 6 5 1 Grey metal stone and
whin tumblers Grey metal stone White and brown post Grey metal stone, with	1 4 0	grey metal, with post girdles 2 3 1 COAL, with water 0 2 9 In grey metal 0 1 2
water Grey post		10 0 1
Carried forward	6 5 1	Total <u>*10 0 1</u>

^{*} Approximate sea level 284 feet below this.

No. 1,646.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38′ 32″, Long. 1° 41′ 44″.

Fourth Hole, 145 yards West from First Hole.

Approximate surface level 370 feet above sea (Ordnance datum).

	Fs. Ft. In. Fs. Ft. In. 0 1 0	Brought forward 3 5 5
Brown stony clay White and brown post	2 3 6	Grey metal, with girdles 0 3 6
Carried forward	3 5 5	Carried forward 4 2 11

No. 1,646.—ST. HELEN'S AUCKLAND.—CONTINUED.

				_			
Brought forward				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 2 4 2 13 3 9
Metal, mixed with coal	0	0	10				Darkish grey metal,
				4	3	9	with girdles and a
Same makel swith sin				_	_		scare of coal the last
Grey metal, with girdles	0	9	0				6 inches 1 4 7
	1	3	0				Grey metal stone, with
Grey post, with water	Т	Э	0				girdles, darkish
Metal stone, with post girdles	1	0	3				after 1 fathom and
Trov motel	7	3	1				water 5 2 6
Grey metal Black stone, with water	0	9	3				White post, with beds
COAL	0	0	3				of metal stone and
	0	U	U				water 2 1 9 Grey metal stone 0 5 7 Strong white post 0 2 0 Dark grey metal 0 5 3
				6	2	4	Grey metal stone 0 5 7
Grey metal stone, with							Strong white post 0 2 0 Dark grey metal 0 5 3
	2	2	6				Dark grey metal 0 5 3 COAL, with a strong
Dark metal	0	ő	Q Q				feeder of water,
COAL, with water	0	0	6				rather tender near
JOAL, with water	U	0	U				middle and rather
	_			2	3	8	foul the last 8 in-
Strong white post,							ches 0 4 6
mixed with whin in							15 0 4
some places and a							Dark grey metal,
strong feeder of							scared with coal 0 0 8
water	2	4.	2				In grey metal stone,
	_	-20					with post girdles 0 2 0
							0 2 8
Carried forward	9	4	9	13	3	0	Total *29 0 9

^{*} Approximate sea level 195 feet below this.

No. 1,647.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38′ 32″, Long. 1° 41′ 50″.

Fifth Hole, 212 yards West from Fourth Hole. March 3rd, 1829.

Approximate surface level 387 feet above sea (Ordnance datum).

Soil Sandy clay			0	7	Fs. Ft. In.	Brought forward Gravel, with clay	1	0		Ft	In.
Carried	forward	1	0	0		Carried forward	1	3	0		

No. 1,647.—ST. HELEN'S AUCKLAND.—CONTINUED.

Stony clay Grey metal, with thin girdles	3 2 6 0 0 2 	Fs. Ft. In.	Brought forward Grey metal stone, with whin and white post girdles Ft. In. COAL 0 5 Dark metal 0 8 COAL 0 3	0 1 4
Dark grey metal COAL		2 3 0	Grey metal stone, with post girdles	

^{*} Approximate sea level 312 feet below this.

No. 1,648.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38′ 32″, Long. 1° 41′ 40″.

Bored in the Sixth Place at St. Helen's Auchland, about 72 yards West from the First Place and 72 yards East from the Fourth Place.

Approximate surface level 365 feet above sea (Ordnance datum).

						Fs.			Fs.	Ft.	In.	
Brown soil				***		0	1	0				
Brown sandy clay						1	1	5				
Post girdle and wat	er					0	0	3				
COAL, with water			•••		***	0	2	10				
									1	5	6	
Whitish grey metal	and	metal	stone			3	4	6				
Grey post		•••				0	2	6				
Grey metal				***		2	4	8				
									6	5	8	
		Total							*8	5	2	
		rotar	***	***			• • •	=	-0	9		

^{*} Approximate sea level 312 feet below this.

No. 1,649.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Bored at St. Helen's Auckland, in the Ninth Place, near the South-east corner of the Estate. May 9th, 1829.

Approximate surface level 650 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown soil	0	1	6				Brought forward	1	0	2	19	5	10
Sandy clay	0	1	0				Strong thready white						
		ĩ	0				post and much wa-						
Rough gravel	U	Т	U										
Sand and gravel, with							ter in several places			_			
water	0	0	9				which rose to top	1	4	6			
Soft blue leafy clay	2	0	0				Grey metal stone, with						
Rough sand and water	_	4	0				ironstone girdles	0	5	0			
			6				Strong white post,	•	•	Ŭ		**	
Stony clay		1											
Red gravel		0	6				with whin girdles		_				
Strong blue stony clay	0	5	5				and water	5	2	0			
Soft brown post, with							Light grey metal stone	0	5	6			
white scares	1	0	0										
	-	•	Ŭ				COAL, with						
A / "	0	-	^										
scares of coal	0	1	0				water 2 5						
COAL	0	0	8				COAL, foul						
				5	5	4	and brassy 0 2						
Grey scared metal and								0	2	7			
metal stone, with									~		10	7	0
	0		0				0				10	1	9
post girdles	2	4.	2				Grey metal, with post	_		_			
White post, with water	0	2	0				girdles	1	4	3			
Strong grey metal							White thready post,						
stone, with post							with hard girdles						
girdles	0	K	0				and much water						
girdles													
White and brown post	0	3	0				which rose to the	_	_				
Grey metal stone, with							top	1	1	8			
post girdles	4	5	7				Grey metal stone, with						
COAL, with Ft. In.							strong post girdles	3	4	6			
water 2 7							Strong white post,	•	_	U			
							Strong white post,						
COAL, hard							with whin girdles	_		_			
and brassy 0 2							and water	0	4	2			
	0	2	9				Grey metal, darkish						
				9	4	6	after the first 3						
Grey metal	0	0	3				yards, with post and						
	•	0	0					H	9	10			
Strong grey post, with	^	0	^				whin girdles	7	3	10			
water	0	2	0				Strong white thready						
Grey metal stone, with							post, with whin gir-						
post girdles	1	1	0				dles and water	0	5	0			
Black grey metal							Dark grey metal	4					
stone, with post gir-							731 1	ō	2	9			
										-			
dles and water, and							COAL, with water	0	0	6		_	
mixed with coal the									-	_	21	2	7
last 6 inches	2	1	6				Grey metal	0	2	0			
Soft grey metal	0	3	0				Metal stone, with post						
COAL, foul	0		3					0	5	6			
	0	•	U	4	2	0							
C			_	-10	4	U	Black grey metal	0	1	6			
Grey metal and metal	_						Grey metal stone, with						
stone	1	0	2				dark partings	1	3	10			
e	_					_				_			
Carried forward	1	0	2	19	5	10	Carried forward	3	0	10	51	4	2

No. 1,649.—ST. HELEN'S AUCKLAND.—CONTINUED.

					Ft.		Fs. Ft. In. Fs. Ft. In.
Brought forward	3	0	10	51	4	2	Brought forward 0 3 9 55 4 5
Black metal	0	2	9				Ft. In.
Whin girdle	0	0	6				COAL, with
Black metal and some							water 4 0
foul coal	0	1	6				COAL, foul 0 2
COAL, foul in the							0 4 2
middle, with water	0	0	8				1 1 11
				4	0	3	Darkish grey metal
Dark grey metal	0	1	0				stone 0 2 0
Whin							
Dark grey metal stone							
Tan I Brog Intotal Stone							
Carried forward	0	3	9	55	4	5	Total 57 2 4
Cultica 101 ward	Ŭ	•	·	-	_		111 111 111

No. 1,650.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38′ 19″, Long. 1° 41′ 41″.

Account of Strata passed through in the Engine Pit, at St. Helen's Auckland Colliery. Begun March 24th, 1830.

Approximate surface level 337 feet above sea (Ordnance datum).

Outset	Fs.	Ft.	In.	Fs.		In. 8		D	Fs			Fs.		
	0	~	^	3	2	0	T.	Brought forwa		3	Z	16	4	3
Brown gravelly soil	0	5	0					inty grey post gi		_	_			
Sandy gravel	0	5	6					dles, with water		1	2			
Loamy clay	0	5	0				So	ft grey jointy met	al 0	0	9			
Sand	0	1	6				Gı	ey post girdle, join	ty					
Blue strong clay	0	3	8					and wet	0	1	6			
Sand	0	3	0				So	ft grey jointy met	al 0	0	6			
Brown strong clay	2	2	0					rey post girdles, joi		Ŭ				
Blue metal stone	$\frac{2}{1}$	2	0					and much water		1	6			
COAL	0		10					rong grey met	_		U			
OOAL	U	1	10					. 1		4	10			
-				7	5	6		01 1 2 2 1	0	-	10			
									0	1				
Thill	0	5	2				C	OAL, with water.	0	0	6			
Grey metal	0	4	6									6	0	5
Post girdle	0	0	11											
Blue metal	0	2	0				So	ft grey metal .	0	2	6			
White post	1	3					D	an post, mixed wi	th					
Soft metal parting	0	0						1.5	0	0	6			
Grev metal	0		10				D:		0	3	9			
	U	J	10					rong post girdle an		0	U			
Grey metal, with balls								, - U	_	0	- 4			
of ironstone, 1 inch		_							0	0	4			
and 2 inches thick	0	3	6						0	1	3			
COAL	0	0	6						0	0	4			
				5	2	1			0	0	5			
				U	4			st girdles, wit	th					
Thill	0	1	8					partings	0	0	11			
Strong grey metal stone	4	1	6				Gi	ey metal	0	2	4			
								•						
Carried forward	4	3	2	16	4	3	1	Carried forward	2	0	4	22	4	8
					_				~	-	x		I	3

No. 1,650.—ST. HELEN'S AUCKLAND.—CONTINUED.

Brought forward 2 0				Brought forward Fs. Ft. In. Fs. Ft. In. 38 0 10
Ft. In,	-30 Z	<u>⊿</u> - <u>w</u>	O	Strong grey thill 0 1 0
COAL, strong				Strong white post 0 5 4
coarse 0 8				Strong white post and
Black swad or				metal partings 2 0 10
band 0 3				Grey metal 0 0 5
COAL, strong				Strong white post and
coarse 0 4				metal partings 1 0 10
0 1	3			Grey post and water 0 1 3
	_ :	2 1	7	Strong white post and metal partings 0 2 6
Strong grey metal 0 2	10			Strong grey post, with
Strong white post and	10			whin 1 0 3
water 0 0	10			Grey metal 0 1 0
Strong grey metal 0 3	0			Grey shivery post, 1 3 1
Post girdles, with				Five-Quarter Seam-
water 0 4	6			Ft. In.
Strong white post 0 2	6			COAL, good 0 8
Whin 0 0				Dark stone
Strong white post 0 1 Dark grey metal 0 0	8			band 0 1
White post 0 0	4			COAL, splinty 0 8
Strong black metal				Dark stone band 0 1
stone, with thin				COAL, coarse 0 11
ironstone girdles 1 4	7			
Soft jointy grey metal,				0 2 5
with large balls of				8 0 11
ironstone 1 3	6			Dark grey thill 0 3 10
Dark metal stone, with				Dark grey metal stone,
balls of ironstone 3 inches thick 1 0	11			with balls of iron-
	2			stone 1 2 10
		7 3	2	Cockleand mussel shell bed 0 0 6
Strong grey thill 0 4	0			bed 0 0 6 Black stone, mixed
Soft grey metal, with	U			with coal and water 0 0 7
balls of ironstone 1 5	0			Strong grey metal,
Grey post 0 0	6			with a post girdle
Dun whin 0 0	10			at bottom 0 2 0
Grey post and balls of				COAL 0 0 6
ironstone 1 1	0			Grey metal stone 0 1 5
Grey post 0 3	5			COAL, coarse 0 0 5
Black metal 0 1 Grev metal 0 1	4 3			
Grey metal 0 1 Black stone 0 0	4			Grey thill 0 3 8
	1			Grey metal 1 0 3
Yard Coal or Harvey				Dark blue metal, with balls of ironstone 3 0 3
Seam— Ft. In.				Black stone, with balls
COAL, top 0 4				of ironstone 0 4 4
Black danty parting 0 0				Strong grey metal (2 0 8
COAL, good 3 0				and ironstone \ 0 1 8
Black danty				White post and black
swad 0 $0\frac{1}{2}$				scares of coal 2 2 0
COAL, bot-		,		Blue metal stone 0 0 8
tom, tender 0 $4\frac{1}{2}$	0			White post and me-
0 3	9	- 0	-	tal partings 4 0 2
	- :	5 3	5	COAL and stone 0 0 3
G	_	0 0	_	G 1.16 11 10 1 10
Carried forward	38	8 0	10	Carried forward 14 1 11 49 1 10

^{*} Approximate sea level (Ordnance datum).

No. 1,650.—ST. HELEN'S AUCKLAND.—CONTINUED.

Brought forward White post and metal			in. Fs 1 49			Brought forward 3 3 1 72 3 8 Grey metal, with post
partings, with much water	4	0	0			girdles and metal partings 2 3 8
Soft dark metal			-18	2	5	Main Coal or Brock- well Seam
White post, metal partings, and water						COAL, top (jointy) 0 11
Grey metal stone and post girdles COAL	2	0	5			Soft grey metal band 0 1½
Soft grey metal		<u> </u>	- 4	5	5	COAL, good 1 4 COAL, splint 0 2 COAL, good
Strong grey metal and post girdles	1	2 1	1			$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Thin post girdle and metal partings Grey metal Strong white post	0	5 1 1	0			Sump $\frac{70 \ 4\frac{1}{2}}{3 \ 3 \ 6}$
Carried forward	3	3	1 72	3	8	Total $\frac{83 \ 1 \ 6\frac{1}{2}}{}$

No. 1,651.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Strata passed through in sinking the No. 2 Staple in the Engine Pit, St. Helen's Colliery, commencing at the bottom of the Brockwell Seam. November, 1858.

Approximate surface level feet above sea (Ordnance datum).

Strong grey thill 0 0 11 White post 1 5 1	Brought forward 11 1 8 Blue metal, with iron
Blue metal 0 5 7	bands 1 0 0
Grey metal stone, with	Ft. In.
post girdles 4 2 4	COAL $0 1 1 1$
Whin stone 1 1 8	Black band and
Grey metal, with post	coal inter-
girdles 1 5 0	mixed 1 0
Black stone 0 0 3	$COAL 1 0\frac{1}{2}$
Black stone 0 0 3 Seggar clay 0 4 10	0 2 2
	12 3 10
Carried forward 11 1 8	Carried forward 12 3 10

No. 1,651.—ST. HELEN'S AUCKLAND.—CONTINUED.

	Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In
Brought forward	12 3 10	Brought forward 4 2 2 12 3 10
Band	0 0 2	Hard grey post 1 0 0
Blue metal	2 1 0	COAL 0 1 5
Hard blue stone	0 1 0	5 3 7
Post	0 3 0	Hard blue stone 2 4 3
Iron band	0 0 3	Seggar clay 0 3 0
Post	0 3 3	Hard grey post 1 0 0
Iron band	0 0 2	4 1 3
Post	0 5 3	
Band	0 0 1	
0 . 10 1	4 9 9 19 9 10	Total 22 2 8
Carried forward	4 2 2 12 3 10	Total 22 2 8

No. 1,652.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 31′ 29", Long. 1° 41′ 56".

Strata sunk through in the Emma Pit, St. Helen's Colliery. October, 1831.

Approximate surface level 365 feet above sea (Ordnance datum).

	771- 1714	T T2- T34 T-	70- 704 T. 70- 704 T.
Brown soil		In. Fs. Ft. In	Brought forward 6 5 6 11 1 1
D 1	0 5	0	
~ ,		2	(m) 111
	1 0	3	
Brown broken post		6	1171 7 0 0 0
			111 111 0
Black stone, with clay	$\begin{array}{ccc} 0 & 1 \\ 2 & 1 \end{array}$	0	Strong grey metal,
Grey metal stone	2 1	5	with ironstone 0 1 11
Grey post, with metal		_	Grey metal post, with
partings and whin	1 5		metal partings 0 5 6
Grey metal	0 3	11	Black stone 0 0 2
Black stone	0 1		Strong grey post, with
COAL	0 0	6	water 1 0 9
		- 7 5	6 Strong grey metal 2 0 2
Strong grey metal			Strong grey post 0 1 2 Black stone 0 1 6 Grey metal 0 2 8
stone	1 1	2	Black stone 0 1 6
White post, with metal			Grey metal 0 2 8
partings	0 5	8	Yard Coal or Harvey
Grey metal stone	$\begin{array}{ccc} 0 & 5 \\ 0 & 5 \\ 0 & 1 \end{array}$	1	Seam-
COAL	0 1	8	COAL, top,
			7 coarse and Ft. In.
Grey metal, with iron-			splinty 0 4
stone balls	0 4	6	Danty part-
Strong white post and	U 1	· ·	ing.
water	0 5	5	COAL, good 3 0
3173 1		3	Black swad 0 03
	0 1	2	
White post			COAL, bot-
	3 0		tom, tender 0 $4\frac{1}{2}$
Black stone	1 1	11	- 0 3 9
			14 3 2
Carried forward	6 5	6 11 1	1 Total *25 4 3

^{*} Approximate sea level 211 feet below this.

No. 1,653.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38′ 28″, Long. 1° 42′ 24″.

An Account of Strata passed through in sinking the Catherine Pit, St. Helen's Colliery.

Commenced March 26th, 1835.

Approximate surface level 390 feet above sea (Ordnance datum).

D				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brown soil Sandy gravel	0	0					Brought forward 1 5 5 17 3 4 White post, with shiv-
Brown clay	1	ő	8				ery partings 4 1 7
Blue metal, with pieces	-	Ü	J				Shivery post, with coal
of ironstone	0	4	7				pipes 0 4 6
	0						Ft. In.
Dark grey metal	0	5	5				COAL 0 6
Ft. In.							Stone band 0 10
COAL 0 6							COAL 1 3
Soft grey metal 0 7							0 2 7
COAL 0 5	^	-	0				$\frac{}{}$
	0	Τ	6	0		0	Grey thill 0 5 6
Constructed with west	_			3	4	9	Shivery parting 0 0 1
Grey metal, with post	1	1	3				Grey thill 0 3 2 Dark grey metal 1 0 11
girdles Strong grey post	0	ī	4				
Grey metal, with balls	Ü	-	-				Black stone 0 0 7 Strong grey metal 0 1 0
of ironstone	2	3	2				COAL 0 0 6
Dark grey metal, with	_	_					2 5 9
beds of ironstone							Strong grey thill 0 2 6
4 or 5 inches thick	2	1	9				COAL 0 0 7
Strong black stone							0 3 1
(plates)	1	0	6				Strong grey thill 0 4 6
COAL	0	0	5	_			Strong grey metal,
C4 41:11	_	7	_	7	2	5	with ironstone balls 1 1 2
Strong grey thill	0	1	2				Strong blue metal 3 0 10
Strong grey metal, mixed with post	0	4	8				Blue stone 0 3 8
Jointy grey metal	0	5	6				Strong grey metal, with ironstone gir-
Black stone, with coal	U	0	U				31
	0	1	8				Strong grey metal,
Blue metal	1	ō	3			1	with post and whin
Strong white post	0	3	5				girdles 3 2 0
Strong grey post	0	3	9				Strong white post 2 1 2
Grey metal stone		4	9				COAL 0 2 0
Black stone	0		11				12 2 0
Grey metal stone	0	0	10				Thill 0 2 0
Yard Coal or Harvey							Grey metal, mixed
Seam— Ft. In. COAL, good 3 0							with post 0 1 9
COAL, bot-							White post 0 5 9
tom 1 3							Post girdles, with me-
1 0	0	4	3				tal partings 1 3 9 Strong white post 1 2 1
	_	_		6	2	2	Blue metal parting.
Grey thill	0	1	0		_	~	Grey post 0 0 9
White post	1	4	2				COAL 0 0 5
Grey metal parting	0	0	3				- 4 4 6
	_			-			
Carried forward	1	5	5	17	3	4	Carried forward 45 2 9

No. 1,653.—ST. HELEN'S AUCKLAND.—CONTINUED.

				Fs.			Fs. Ft. In. Fs. Ft. In.
Brought forward				45	2	9	Brought forward 4 5 3 50 0 1
Thill	0	2	4				Grey post girdles, with
White post	1	4	6				metal partings 0 2 5
Blue metal parting.							Grey metal, with post
Grey post	0	1	6				and iron stone girdles 3 2 4
Strong grey metal,							
with post girdles	2	0	6				Main Coal or Brock-
Black stone	0	0	3				well Seam—
COAL	0	0	3				Ft. In.
				4	3	4	COAL 0 11
Strong guay thill	1	Ω	R				Band 0 1
Strong grey thill Black stone							COAL 5 0
	U	U	o				1 0 0
Strong grey metal,	9	2	0				
with post girdles White post	4	5	0				9 4 0
white post	Û	9					
Whin, with water	0	1	0				
Carried forward	4	5	3	50	0	1	Total *59 4 1
233-1-1-14 202 11 402 41	_	Ŭ			Ť		

^{*} Approximate sea level 32 feet below this.

No. 1,654.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 33 of Ordnance Map. Lat. 54° 38′ 8″, Long. 1° 41′ 41″.

Account of Boring in St. Helen's Auckland Royalty, about 396 yards South from the Engine Pit. Begun January 17th, 1847; left off February 29th, 1848.

Approximate surface level 320 feet above sea (Ordnance datum).

Gravel, with water Brown sand Blue leafy clay, mixed with sand Brown stony clay, mixed with sand	3 3 0 1 0 0	Brought forward 2 3 0 14 3 0 Grey metal 0 2 1 COAL 0 0 2 Grey metal 0 5 2 Grey metal 0 5 2 Grey metal stone, with
	0 1 0	girdles 4 3 6 Brown metal parting 0 0 6 Whin 0 1 0 Brown post 0 3 6 Grey metal, with post girdles 3 0 7
Blue metal	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	COAL 0 2 4 9 4 7 Carried forward 27 0 10

No. 1,654.—ST. HELEN'S AUCKLAND.—CONTINUED.

Brought forward		Ft.	In.		Ft.		Fs. Ft. In. Fs. Ft. In. Brought forward 43 1 2	
Grey metal		0	4	-•	-		Grey metal stone 1 4 4	
Grey metal, with post							Strong white post,	
girdles	4	3	6				mixed with whin	
Dark metal, mixed		^	C				near the top 1 1 0	
with coal		0	6				Grey metal, with thin	
Grey metal stone, with		5	٥				girdles 4 5 2 Black stone 0 1 3	10
White post	2	2	5				COAL 0 0 5	
post girdles White post Dark metal	ō	3	3				COAL 0 0 5 Grey metal stone 0 2 0 Grey post 0 3 6	
Grey post		1	3				Grey post 0 3 6	
Whin	()	1	0				Grey metal stone $\left\{\begin{array}{c c} 1 & 1 & 2 \\ \hline \end{array}\right.$	
Grey metal, with hard							(1 4 10	
0	2	5	4				Grey post 0 3 6	
Ft. In							Grey metal 0 3 2	
Grey metal band 0 2					-		Black metal 0 0 3	
COAL, slaty 0 11							COAL, brassy the	
OOAL, staty 0 11	0	1	9				$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Į
				16	0	4	Into grey metal 0 0 5	
Carried for	war	d		43	1	2	Total <u>57 0 0</u>)

N.B.—The above was a running hole and could not be got any further.

* Approximate sea level (Ordnance datum).

No. 1,655.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 37' 59'', Long. 1° 41' 41''.

Account of Boring in the Second Hole in St. Helen's, about 280 yards South from the First Hole. July 28th, 1847.

Approximate surface level 330 feet above sea (Ordnance datum).

Soil Sand, with water at bottom Brown sand Loamy sand Leafy clay	$ \begin{array}{cccc} 0 & 2 \\ 0 & 2 \\ 1 & 1 \\ 1 & 3 \end{array} $	6 0 0	Brought forward 6 3 9 Brown sand 2 1 0 Stony and leafy clay 3 5 0 Into brown post 1 1 0
Carried forward			Total <u>*13 4 9</u>

N.B.—This hole was lost; the pipes closed.

^{*} Approximate sea level 2471 feet below this.

No. 1,656.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 37' 59'', Long. 1° 41' 41''.

Account of the Third Hole in St. Helen's, about 4 feet South from the Second Hole that was lost.

Approximate surface level 330 feet above sea (Ordnauce datum).

~ " 1 "	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In
Soil clay, the same as					_		Brought forward 4 2 3 26 3 4
in the second hole				12	3	9	Grey metal stone 3 2 0
Brown and grey post,							White post, with me-
set away the water							tal partings 1 2 4
at the bottom	6	1	4				Whin 0 1 10
COAL							White post 2 5 0
		õ					Grey metal 1 0 4
Grey metal							COAL tanden 0 0 1
	0						COAL, tender 0 2 1
COAL	0	0	8				13 3 10
Grey metal stone	4	3	3				Dark metal 0 3 6
COAL, tender, with							Grey metal stone 0 4 0
water (supposed							White post 0 2 3
Yard Seam)	0	3	3				Grey metal stone, with
Tura Scam,				13	5	7	post girdles 2 3 0
Black metal	Λ	Δ		10	U	•	Dark metal, mixed
	U	U	U				
Grey metal stone, with	-	_					
post girdles	1	3	4				Grey metal 1 0 0
Black stone, with gir-							Metal stone 0 2 4
dles	0	5	6				Into white post 5 4 0
Blue metal	1	5	0				11 1 10
Carried forward	4	2	3	26	3	4	Total *51 3 0
Carriod for ward	JAL .	_			-	-	01 0 0

N.B.—This hole was lost; the boxes gave way.

No. 1,657.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 37' 51'', Long. 1° 41' 41''.

Account of Boring in the Fourth Hole in St. Helen's Estate, about 12 yards North from the River Gaunless and 231 yards South from the Second Hole. November 2nd, 1847.

Approximate surface level 320 feet above sea (Ordnance datum).

Sandy soil Gravel, with water Brown sand	0	3 4	4	Brought forward Leafy clay Sand	3	3 2	2
Carried forward	2	3	0	Carried forward	6	1	2

^{*} Approximate sea level 21 feet below this.

No. 1,657.—ST. HELEN'S AUCKLAND.—CONTINUED.

Brought forward Stony clay Sand Stony clay Brown post, with soft partings COAL, water rose to the top Grey metal, with post girdles Black metal	6 1 0 3 1 1 2 2 7 3 0 2	$ \begin{array}{c} 2 \\ 0 \\ 4 \\ 0 \end{array} $ $ \begin{array}{c} 2 \\ 4 \\ \end{array} $ $ \begin{array}{c} 18 \end{array} $	1 0	Brought forward 2 0 10 18 1 0 COAL 0 0 7 Grey metal stone, with post girdles 5 0 1 COAL, tender the first 9 inches 0 3 5 Black metal 0 0 5 Grey metal stone, with post girdles 1 2 4 Into black stone 0 1 4
Black metal Carried forward		6 10 18	1 0	Total <u>*27 4 0</u>

The above is a very clean hole.

No. 1,658.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 37' 44'', Long. 1° 41' 41''.

Account of Boring in the Fifth Hole in St. Helen's, about 233 yards South of the Fourth, and on the South side of the Gaunless. Commenced Dec. 7th, 1847; finished Dec. 17th, 1847.

Approximate surface level 330 feet above sea (Ordnance datum).

Soil	Brought forward Grey metal stone, with post girdles 7 3 8 COAL, very soft 0 3 5 Into black metal 8 Ft. In. Fs. Ft. In. 13 3 7
Carried forward 13 3 7	Total <u>*21 5 0</u>

^{*} Approximate sea level 199 feet below this.

^{*} Approximate sea level 154 feet below this.

No. 1,659.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

Strata bored through in the St. Helen's Auckland Colliery Royalty, at about 170 yards to the South of the Green Lane, and adjoining the East Boundary, in the year 1857.

Approximate surface level feet above sea (Ordnance datum).

					Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft In.
Sand and loam		0	4	8				Brought forward 11 4 8
Blue clay, mixed wi	th							Brown metal 0 2 4
gravel								Grey post 0 2 10
Brown metal .								Grey metal 0 5 3
Grey post		0	1	1				Blue metal 3 0 9
Brown metal		0	3	2				COAL, including
Brown metal, with	th							splint—Main Coal
post girdles		0	4	4				Seam 1 1 0
Grey post		0	3	10				17 4 10
	-			_				***************************************
Carried forward	d 1	1	4	8				17 4 10

No. 1,660.—ST. LAWRENCE.

TOWNSHIP OF ALL SAINTS, NEWCASTLE.

Sheet 97 of Ordnance Map. Lat. 54° 58' 14'', Long. 1° 34' 49''.

Section of Strata sunk through at the St. Lawrence or Mushroom Colliery, near Newcastle-on-Tyne. Begun December 3rd, 1832; finished July 23rd, 1833.

Approximate surface level 84 feet above sea (Ordnance datum).

Soil Fs. Ft. In. F	s. Ft. In.	Brought forward	Fs.	Ft.	In.		Ft.	
Clay, mixed with gravel 1 4 0		Soft metal stone	4	1	6			
Blue clay, with sandy		COAL	0	0	6			
partings 2 1 0						4	2	0
Sand 0 5 0		Soft thill {	0	1	6			
Blue clay 0 1 6		Soft till	0	0	6			*
Sand, mixed with gravel 0 2 0		Broken post	2	2	6			
Blue clay, with gravel 2 0 0		Blue stone	0	5	0			
Sand, mixed with free-		COAL	0	0	3			
stone 2 0 0					_	3	3	9
	$9 \ 2 \ 6$	Grey metal	1	0	0			
		Grey metal and post						
		girdles	1	3	0			
_								
Carried forward	9 2 6	Carried forward	2	3	0]	17	2	3

^{*} Approximate sca level (Ordnance datum).

No. 1,660.—ST. LAWRENCE.—Continued.

D	ourrowd.	Fs.	Ft. 3	In.]		Ft. 2	In.	Brougl	at for	ward	Fs.	Ft.	In.	Fs. 52	Ft.	In.
Brought f		1	0	3	17		U	Grey metal						-		Ĭ
rev metal		0	5	0				girdles			0	3	0			
Post		2	0	0				Blue stone				0	•			
COAL		0	0	7				girdles COAL	•••		0	3	6 2			
					6	2	10	Thill	•••		0	1	4			
rey metal		0	3	0				COAL, m	ixed	with			_			
Post		0	1	1				black stor	ne		0	1	4			
rey metal		0	2 0	0						-		_	_	2	3	4
ost Vhin		0	3	0				Grey metal			0	1	0			
ost		4	1	0				Post, mixed		whin	1	ō	0			
								Post			1	1	6			
Tigh Main Se			2.0					COAL			0	0	8			
COAL	Ft. 1n.													2	3	2
COAL, bot-								Blue metal	and	post						
tom	1 0							girdles		*	3	2	0			
Black stone								Black stone			0	1	0			•
COAL	0 9	1	1	11				Dark blue s		•••	1	2	0			
		1	1		11	0	0	Post Grey metal	•••	•••	1	4 3	0			
			,		11	U	U	Post			1	0	4			
rey metal	***	0	4	0 4				Blue stone		***	ī	2	Ô			
lack metal rey metal	•••			0				COAL-		sham						
ost		2		0				Seam	•••	•••	0	2	11			
														9	5	;
letal Coal Se								Grey metal			0	5	0			
COAL	Ft. In. 0 8							Blue stone		post						
Seggar clay	$\begin{array}{ccc} 0 & 8 \\ 2 & 0 \end{array}$							girdles	• • •	•••	0	3	3			
COAL	2 2							Post		•••	$\frac{1}{0}$	1	6			
		0	4	10				Dark grey White post			0	1	0			
					5	2	2	Blue stone		•••	ŏ	0	6			
rey metal, wi	th nost							Post			0	1	6			
girdles		0	4	0							0	0	2			
lue stone		2	2	0				Post	• • •		0	1	0			
Blue stone ar	d post							Blue stone Post		•••	0	0	7 2			
girdles .		0	5	0				Grey metal	•••	•••	0	1				
Dark blue stor Black stone		0	3	0				Post			6	3				
OAL		0	0	7				Blue stone			0	0	6			
					4	5	7	COAL		• • •	0	0	4			
rey metal a	nd post													10	4	2
girdles		1	0	0				Blue and	grey	metal	0	4	2			
Black stone			-	3				COAL				0	2			
COAL	• • • • • • • • • • • • • • • • • • • •	0	0	4	1	^					_			0	4	Ŀ
	,	-			1	0	7	Grey thill			0	1	4	1 2		
rey metal a			_	0										_		
girdles Post, mixed wi		$\frac{2}{1}$	5	0				Six-Quart	er Se	am						
Blue stone a			U	U				COM		Ft. In.						
girdles		-	5	0				Band		$\begin{array}{ccc} 1 & 9 \\ 0 & 0 \end{array}$	1					
Black stone				3				COAL	•••	2 2	2					
COAL		0	1	9	_			COAL	•••		2 0	4	0)		
COAL						- 0	0							^	200	A
		_			6	U	, 0				_			0	5	7
COAL	rried fo	_			52		_							_	- -	4

No. 1,660.—ST. LAWRENCE.—CONTINUED.

	,						
Brought forward	Fs.	Ft.	In.			In. 2½	Fs. Ft. In. Fs. Ft. In.
Grey metal and whin				10	U	22	Brought forward 104 1 6½ Blue metal stone, with
girdles	2	1	0				hard girdles 1 3 9
Blue stone	$\frac{1}{0}$		0				Blue metal, with coal
Black stone	U	0	4				partings 1 1 4 White post, with part-
Five-Quarter Seam-							ings 1 1 11
COAL 1 6							White post 1 1 3
Splint 0 4							Blue and black stone 1 4 2 Very hard white post 0 4 3
COAL 0 4							Very hard white post 0 4 3 Grey metal stone, with
Stone 0 5							post girdles 0 3 5
Stone 0 5							Black stone 0 0 2
COAL 0 11/2							COAL 0 1 4
	0	3	$4\frac{1}{2}$			0.1	8 3 7
Grey and blue metal	0	5	0	4	0	$8\frac{1}{2}$	Grey metal stone 0 3 9 White post
Grey and blue metal Grey whin girdles	0	1	0				White post 0 2 6 Blue grey metal stone 1 3 8
Grey metal	Õ	1	6				White post 0 4 0
Black stone	0	1	6				White and grey post,
Post Grey metal	0	$\frac{5}{1}$	8				with metal partings 3 1 7 COAL 0 0 3
	0	5	0				
_ 0 0	0		0				
Post Blue stone and iron	0	4	0				Grey metal stone, very soft 0 2 8
girdles	2	1	3				White post 0 3 3
Black stone	0	0	6				COAL, foul, and
Low Main Seam—							black stone 0 0 9 1 0 8
COAL 2 71/2							Grey post, with metal
Band 0 2							partings 2 1 6
COAL 2 3	0	=	οI				White post 0 2 0
	0	5	$-0\frac{1}{2}$	7	2	$8\frac{1}{2}$	Grey metal stone and post girdles 2 3 3
				<u>.</u>	_		Strong post 2 3 3
D. 1.C. 11 T				91	0	$7\frac{1}{2}$	COAL, inferior 0 1 2
Bored from the Low Main Seam, 1840:—							7 4 3
Bottom coal and thill	0	5	0				Grey metal thill 0 1 2
Strong white post	3	5	2				White post 0 1 10
Blue metal, with iron-	7	0	5				Blue metal stone 0 1 10 White post, with me-
stone girdles Grey metal stone, with	1	0	J				tal partings 0 3 8
post girdles	0	4	3				Grey metal stone, with
White post, with meta.	7	0	1				post girdles 2 0 6
partings Blue metal, with hard	1	0	1				Strong white post, with partings 1 2 0
girdles	1	0	0				Brown post, mixed
Strong white post,	0		0				with whin 2 0 6
mixed with whin Soft blue metal stone	0	5 1	6				Grey metal stone 1 0 8 Post 0 1 6
Grey metal, with hard	U	1					Soft grey thill 0 1 10
girdles	2	2	0				Into strong grey post 0 2 1
Strong white post	0	0	6				8 5 7
Grey metal stone, with hard girdles	0	5	11				
COAL	0		2				
				13	0	11	
Carried for	war	ď	1	104	1	$6\frac{1}{2}$	Total 137 1 4½
Carried for				U	-	2	-

No. 1,661.—SALTWELLSIDE.

TOWNSHIP OF GATESHEAD (SOUTH WARD), DURHAM.

Sheet 6 of Ordnance Map. Lat.

Long.

Bored from the Thill of the High Main Seam, in the Crown Pit, Saltwellside, by John Rawling. 1751.

Approximate surface level feet above sea (Ordnance datum).

Boxes	Fs.	Ft.	In.		Ft.	In. 6	Fs. Ft. In. Fs. Ft. In. Brought forward 1 0 3 11 3 3
COAL and slaty me-						U	White post, with metal
tal	0	2	0				partings 1 2 9
Grey metal, with cat-		-					Grey and blue metal
heads	0	4	6				stone, with whin
White and grey post,	0	-	U				girdles 1 0 0
metal partings, with							A black and blue me-
water near the bot-							tal parting and
tom	1	2	0				water 0 0 6
Blue and grey metal,			٠,				Grey and blue metal
girdles, and eat-							stone, with post
heads	1	3	0				girdles 2 1 0
Black and blue slaty	-	0					Strong white and grey
metal, girdles, and							post, with water in
water	1	0	0				places 10 5 0
Whin	_		6				Grey metal stone 1 0 0
Grey metal stone, with	U	U	U				Grey and black metal 0 2 3
strong girdles and							COAL 0 1 1
water	Q	5	Ω				18 0 10
Black metal, scared	U	U	v				Grey metal 0 3 0
with coal	Λ	0	6				Grey metal stone, with
COAL							post girdles 1 0 0
OOAL				9	0	9	White post 0 5 0
Blue metal	0	0	9	J	U	J	In strong white post 0 3 0
Grey metal stone		5	6				2 5 0
Grey metal stone	U	U	U				2 3 0
Carried forward	1	0	3	11	3	3	Total below the High Main 32 3 1
Carriod for ward		0	9		9	9	Total below the High Hath 62 5 1

No. 1,662.—SALTWELLSIDE.

TOWNSHIP OF GATESHEAD (SOUTH WARD), DURHAM.

Sheet 6 of Ordnance Map. Lat.

, Long.

Bored in Mr. Barras' Land for the use of the Lord of the Manor, for Messrs. Chapmans, by Andrew Wake. 1806.

Approximate surface level feet above sea (Ordnance datum).

Yellow clay Sand, with water Blue clay	0	$\frac{1}{0}$	0 5	Ft.	In.	Brought forward 5 2 5 Strong stony brown clay 4 3 7	n
Carried forward	5	2	5			Carried forward 10 0 0	

No. 1,662.—SALTWELLSIDE.—Continued.

1) 1, 0		Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In
Brought forward	10	0 0	Brought forward 6 1 2 31 2 3
Sand and gravel, with	0	1 5	Black stone, the water
Ramble brown post	0	1 5 5 0	goes away
Rambly brown post Fine blue clay, with	U	3 0	Post girdles 0 0 4
sand band and water	11	1 0	COAL 0 0 9
Brown post, with coal		1	7 0 8
pipes	0	4 0	C
Brown post and water	1	0 0	Grey metal 0 3 0 Grey stone 1 1 0
Grey post girdles	0	3 0	
COAL	0	0 8	1171:4
		24 3 1	White post 2 0 0 Whin 0 2 0
Grey thill	0	1 9	White post 0 0 11
Blue grey metal	0	1 6	Black parting 0 0 4
Strong white post,			White post girdles,
with water	0	1 6	with water 0 3 6
Blue grey metal	0	1 4	Whin, with water 0 0 5
COAL	0	0 6	White post girdles,
Cmar. 41.211		$\frac{}{}$ 1 0 7	with metal partings 0 2 0
Grey thill	0	0 5	Strong white post, with
Post girdles, with me-	0	1 7	whin and water 0 5 0
tal partings	$0 \\ 1$	$\begin{array}{ccc} 1 & 7 \\ 3 & 0 \end{array}$	Whin 0 0 5
Grey post, with water Grey stone	0	2 4	Strong white post
Black stone, with water	0	0 • 6	girdles, with metal
Grey stone	ő	2 6	partings and water 0 4 7
Grey post, with sul-	·	- "	White post 0 2 0
phur	2	0 0	White post girdles,
Whin	0	1 8	with metal partings 0 1 6
Grey post	0	2 4	White post, with whin and sulphur 0 2 4
Blue stone	0	0 6	D1
COAL, with sulphur	0	1 9	Grey post, with sulphur 0 2 6
		5 4 7	Grey stone, with sul-
Grey thill	0	0 9	phur 0 2 0
Grey stone	0	3 0	1
Whin	0	0 10	Beaumont Seam—
Grey post, with water	0	3 3	Ft. In.
Whin	0	0 11	COAL, with
White post, with water	0	0 9	much sul-
Whin	0	1 4	phur that
Reddish brown stone	0	0 6	blew up to
White post, with water	0	2 0	the surface 2 8
Grey stone	0	0 6	Grey stone, with water 1 4
Grev stone with water	0	$\begin{array}{ccc} 0 & 6 \\ 2 & 10 \end{array}$	with water 1 4 COAL 1 8
Grey stone, with water Whin	0	0 6	— 0 5 8
White post, with water	0	2 0	
Blue grey stone	0	3 9	. — 10 0 10
White post, with water	ő	3 0	Grey thill, with much
Blue stone	ŏ	2 0	sulphur that blew
Whin, with water	ŏ	0 6	up to the surface 0 0 8
Blue stone	0	3 9	Blue grey stone 0 2 2
Whin, with water	0	0 6	0 2 10
Blue stone	0	4 0	
C	-	1 0 01 0 0	Total 49 0 7
Carried forward	6	1 2 31 2 3	10tal 49 0 7

Beaumont Seam. found in Norwood at the depth of 37 fms. 2 ft. 4 in., the same seam which is called Harvey's Main Coal or Whickham Stone Coal.

Note.—" Sulphur," as used in this section and the next, means gas.

No. 1,663.—SALTWELLSIDE.

TOWNSHIP OF GATESHEAD (SOUTH WARD), DURHAM.

Sheet 6 of Ordnance Map. Lat.

Long.

Bored in the Sinking Pit at Saltwellside, near Garden, from the Low Main Seam.

Approximate surface level

feet above sea (Ordnance datum).

		Fs.	Ft.		Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Sunk		0	0	9				Brought forward 0 1 6 8 3 0
Box			0					Grey metal, with post
Blue metal		0	3	0				girdles and water or
Strong white post			0					sulphur 6 0 3
Blue metal			0	10				Strong white post,
Grey metal		^	4					with mixture of
Coal pipe				3				whin girdles and
Dark grey metal		0	4					scamy partings, and
Grey post, with wa	tor	1	ñ	6				with water which
	e c c c i	ō	2	0				was salt 8 5 0
Grey metal		0	5	3				Grey metal stone 0 5 9
White post		0	0	0				Strong white post 0 3 0
Grey metal			5	0				Reaumont Seam—
Grey post		^						
Black stone	• • •	_	1					Ft. In.
COAL		0	1.	5				COAL 2 1
				_	8	3	0	Grey metal
Blue metal, sca	red							band 1 0
with coal		0	1	6				COAL 0 11
								0 4 0
								
		_		_				
Carried forwa	rd	0	1	6	8	3	0	Total below the Low Main 25 4 6

No. 1,664.—SALTWELLSIDE.

TOWNSHIP OF GATESHEAD (SOUTH WARD), DURHAM.

Sheet 6 of Ordnance Map. Lat.

, Long.

Account of Boring 45 yards Dip of the Water Level, near the West Boundary End.

Approximate surface level feet above sea (Ordnance datum).

Clay 1 4 0 Plate 0 1 0 COAL, foul 0 6 COAL, good 1 0 Strong grey beds 1 4 0 Hard stone post 0 0 4 Grey beds 0 0 6	Fs. Ft. In. Fs. Ft. In. White grey post 1 4 10 2 0 6
Carried forward 1 4 10 2 0 6	Total 9 4 6

No. 1,665.—SALTWELLSIDE.

TOWNSHIP OF GATESHEAD (SOUTH WARD), DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Account of Boring 70 yards Dip of the Water Level West End, at Saltwellside.

Approximate surface level feet above sea (Ordnance datum).

		Fs.	Ft.	In. Fs	. Ft. In		Fs. Ft. In. Fs. Ft. In.
Clay			2				Brought forward 4 1 4
White freestone		0	2	.9			Ironstone 0 0 2
Grey beds		0	1	1		-	Plate 0 0 7
Soft parting		0	0	2			Ft. In.
White stone post		1	3	11			COAL, foul 0 5
Grey beds		0	1	6			COAL, good 1 0
White beds		0	0	9	1.0		0 1 5
Grey beds		0	0	8			4 3 6
Carried forwa	ırd	4	1	4			Total 4 3 6

No. 1,666.—SALTWELLSIDE.

TOWNSHIP OF GATESHEAD (SOUTH WARD), DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Account of Boring 90 yards Dip of the Water Level West End.

Approximate surface level feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.	
Clay							1	4					
Plate, with i	ronsto	ne in it					1	1	6				
COAL							0	0	1*				
White stone	***								6				
						•••			7.				
COAL, good	a		•••				Õ	0	3*		1		
O 11 E, 2001	u	•••	•••	•••	• • •	• • • •	U	U	U	3	A	5	
								`	1.	0	/金。	Ð	
				773 / 3						-		_	
				Total	***					3	4	5	

^{*} Found in New Pit.

No. 1,667.—SALTWICK.

TOWNSHIP OF SALTWICK, NORTHUMBERLAND.

Sheet 71 of Ordnance Map. Lat. , Long.

Boring at Saltwick, about 60 yards to the Outburst of Coal, near the Town. July 11th, 1763.

Approximate surface level feet above sea (Ordnance datum).

Soil and brown cla Strong dun stone, Blue and grey mer White post In white metal	mixed tal, wit 	with wh	nin	 lumps 	•••	Fs. 0 0 3 0	4 1 5 5	0 6 6 6	Fs.	Ft.	In.	
							-	-	6	0	6	
		Total					••		6	0	6	

No. 1,668.—SALTWICK.

TOWNSHIP OF SALTWICK, NORTHUMBERLAND.

Sheet 71 of Ordnance Map. Lat. 55° 7′ 3″, Long. 1° 43′ 45″.

Another Boring at Saltwick, on the Moor North from the Town, about 430 yards South from the Herd's House. September, 1763.

Approximate surface level 304 feet above sea (Ordnance datum).

Soil and stony clay Channel and sand.	1	Ft. 0	In. 0	Fs.	Ft.	In.	Brought forward 2 4 0 8 2 1
with water Stony clay	0						Blackgreymetal stone, scared with coal at bottom 0 2 6
Brown post, with water which rose to the							COAL, with Ft. In.
Blue scamy metal	0	1	8				brassy scare bands 0 9 Black grey me-
White and grey metal	1			8	2	1	tal 0 5 COAL 0 2
White and grey post, with a soft sandy		•					<u> </u>
parting and water Carried forward	-		0	 8	2		Carried forward 11 3 11

No. 1,668.—SALTWICK.—CONTINUED.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 11 3 11	Brought forward 22 1 11
White and grey post,	Bored further, Sept.
with water near the	19th:—
top, and black scares	White, grey, and green
near the bottom 2 5 0	post 1 1 0
m (2 5 1	Black grey metal stone 1 0 6
Blue grey metal stone $\left\{ \begin{array}{ccc} 2 & 5 & 1 \\ \hline 0 & 0 & 11 \end{array} \right\} *$	White and grey post
Grey and white post 0 3 9	girdles and metal
	partings 1 5 0
Blue metal stone, with	Grey metal stone 0 1 6
grey post girdles 3 4 6	Grey, green, and brown
Whin 0 0 9	
In white, grey, and	scamy metal 0 1 0
green post 0 2 0	Grey metal stone 0 3 0 Grey post 0 3 6
10 4 0	Grey post 0 3 6
	Black grey scamy
	stone 1 1 9
	 6 5 3
Carried forward 22 1 11	Total 29 1 2

^{*} Approximate sea level (Ordnance datum).

No. 1,669.—SALTWICK.

TOWNSHIP OF SALTWICK, NORTHUMBERLAND.

Sheet 71 of Ordnance Map. Lat. 55° 7′ 17″, Long. 1° 43′ 45″.

Account of the Boring about 900 yards North from Saltwick, near Ogle. September 30th, 1825.

Approximate surface level 205 feet above sea (Ordnance datum).

							1
				Fs. 1	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil	0	0	9				Brought forward 5 0 3 4 1 9
Strong brown stony							Grey metal 0 0 8
clay	Ω	5	6				Ft. In.
	U	U	U				COAL 0 4
White and brown post,	_	_	_				
with water							Grey metal 0 4
COAL	0	1	6				COAL, foul 0 2
				4	1	9	0 0 10
Grey metal and metal				~	-		Grey metal and dark
stone, with post gir-							metal stone, with
dles	1	0	0				post girdles 1 0 3
White and grey post,							post girdles 1 0 3 COAL, foul 0 0 4
with metal partings	1	1	3				6 2 4
		1	U				Gray motel 0 0 3
Brown and white post,		_					Grey metal 0 0 3 White post 3 0 8
with partings	2	5	0				White post 3 0 8
Carried forward	5	0	3	4	1	9	Carried forward 3 0 11 10 4 1
Carried for ward		·	•	-	~		
							E

No. 1,669.—SALTWICK.—CONTINUED.

2 1 0 1					Ft.		Brought forward 1 0 3 28 3 9
Brought forward				10	4	T	
Grey metal stone	3	4	0				Grey metal and me-
Dark metal, scared							tal stone, with
with coal	0	0	6				thin girdles
Grey metal and metal							White post 0 5 0
stone	1	0	7				White post, mixed
White past with water	ñ	1.	ń				with whin 0 0 10
White post, with water Grey metal stone White post	1	4	0				
Grey metal stone	T	4	9				White post 2 4 10
White post	U	Z	8				Grey metal 0 4 0
Grey metal stone, with							Strong grey metal
water	5	3	0				stone, inclining to .
Grey whin (got Oct.							post, with water 1 2 0 Grey metal 0 1 2 White fact New 22nd
12th, through on							Grev metal 0 1 2
15th)	0	1	2				Whin (got Nov. 22nd,
Grey metal and metal	•	_	_				through on 25th) 0 0 5
	-	1	0				7
stone	T	1	0				Metal stone, with post
COAL, foul, and me-		_	_				girdles 2 3 0
tal stone	0	0					White grey post 0 5 8
				17	5	8	Grey metal stone, dark
Grey metal stone, with							near the bottom 1 2 0
water		0	3				16 2 6
C . 1 C	1	_	2	90	3	9	Total 45 0 3
Carried forward	1	0	3	28	3	9	Total 45 0 3

^{*} Approximate sea level (Ordnance datum).

No. 1,670.—SCREMERSTON.

TOWNSHIP OF SCREMERSTON, NORTHUMBERLAND.

Sheet 7 of Ordnance Map. Lat.

, Long.

Section of Strata sunk through to the Main Coal Seam, in the Jack Tar Pit, Scremerston Colliery.

Approximate surface level feet above sea (Ordnance datum).

Soil	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs. 11	Ft.	In.
Clay Soft brown freestone	0	3	0 10					1	1	4			Ī
Blue metal	1	4	8				freestone bands	0	5	1			
Limestone—Woodend	1	1	0				COAL	0	0	2	_		
Blue metal		_	6				Soft away functions	_	0	3	2	0	7
COAL		-	-0	6	4	0.	Soft grey freestone Freestone bands	0	3 2	4			
White metal	1	2	0	U		Ü	Hard-tills	-	3	0			
White freestone	0	4	0				Limestone—Dunn	1	1				
Blue metal		1					COAL (found gener-						
COAL	0	0	6	_			ally below Dunn						
White freestone bands	1	1	0	2	2	0	stone throughout the		1	0			
Tills	0	4	6				district)	0	1	Z	8	4	9
Freestone bands	Õ	2	0				Grey metal	0	4	4	G	*	9
COAL - Biteabout							Hard freestone	ĭ	2	2			
Seam	0	1	8				Grey metal	0	3	0			
				2	3	2							
Carried for	war	d		11	3	2	Carried forward	2	3	6	22	2	6

No. 1,670.—SCREMERSTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	2	3	6	22	2	6	Brought forward 3 4 8 73 3 10
Freestone, mixed with							Hard dark blue metal 3 2 8
tills	5	5	0				COAL 0 0 1
Soft white freestone							7 1 5
(quarry in it, on sea-							Black metal $0 0 2\frac{1}{2}$
coast)	13	5	6				Hard grey freestone 1 1 8
COAL—Robie's Coal	0	1	5				Dark blue metal 1 2 9
				22	. 3	5	COAL, coarse 0 0 6
Black metal, mixed							2 5 13
with freestone bands	3	0	0				Dark blue metal, with
Light blue metal	2	0	9				half-inch ironstone
Hard blue metal	2	3	10				band 0 2 01
Hard white freestone							Ft. In.
beds (Richardson							COAL 0 8
Stead's quarry in							Black dant 0 3
these)	3	0	0				COAL 0 11½
Blue metal	1	0	0				Brown metal $0 8\frac{1}{2}$
Bastard blue metal	1	1	2				COAL 1 1
COAL—Top of Cald-	-					1	0 3 8
side Seam	0	0	8				0 5 81
				13	0	5	Soft dark blue metal 0 1 2
Dark brown metal	0	1	4			,	COAL 0 0 2
Hard freestone			11				- 0 1 4
Blue metal	0	ĭ	9				Soft dark blue metal 0 0 7
Hard white freestone	0	3	0				Hard white freestone 1 0 5
Blue metal	ő	1	6				Soft dark blue metal 0 1 3
Hard white freestone	v		0				Hard grey freestone 0 3 6
band	0	0	8				Dark blue metal 0 4 10
131 1 3	0	5	6				
COAL — Bottom of	U	U	U				COAL, splinty 0 0 3
Caldside Seam	0	0	3				Hard tills and metal 1 1 4
Catastae Beam		U		2	9	11	0041
					4	TT	- 1 1 6½
Soft light blue metal	1	4	2				Hard dark blue metal 0 2 4
Hard freestone band	0	0	5				
Soft light blue metal	0	0	7				COAL 0 4
Hard brown stone	0	2	2				Dark blue metal 0 6
Hard blue metal	0	2	3				COAL 0 5
Soft blue metal	0	2	1				
Hard flinty girdles	0	1	9				0 1 3
Soft light blue metal	0	3	1				— 0 3 7
Dark blue metal	1	3	1				Hard tills 0 5 4
Soft blue metal	0	1	9				Limestone 0 0 6
Red freestone	2	2	7				Soft blue metal 0 2 2
Soft blue metal	0	0	11				Hard freestone 0 0 5
COAL	0	0	2				Soft blue metal 0 0 9
				8	1	0	Hard white freestone 1 4 3
Dark grey whin	0	0	3	L			Blue metal 0 1 2
Soft blue metal	2	1	8	2			Hard white freestone 0 3 3
Soft light blue metal		2	1	L			Dark blue metal 0 5 2
T t	õ	1	2	2			Ft. In.
COAL TO	0	0	4				COAL 0 6
COAL, splinty			-1	4	5	7	Blue metal 0 4
9.64 12.14 11	^		1.	-30	U	'	COAL 0 7
Soft light blue metal	0		11				0 1 5
Hard white freestone	0	3	8				5 0 5
Soft blue metal	0	3	2				Soft dark metal 0 0 9
Black metal and scares							Hard white freestone 0 3 6
of coal	0	1	8				Dark blue-metal 0 1 5
Blue metal ,	0	1	2				COAL 0 0 7
Dark grey freestone	1	2	1				1 0 3
				_			
Carried forward	3	4	8	73	3	10	Carried forward 95 4 0
						111	

No. 1,670.—SCREMERSTON.—CONTINUED.

Fs. Ft. In. Fs. Ft. In. Solution Soft light blue metal 0 1 7 1 0 4 1 0 1 2 1 0 0 4 1 0 0 1 2 1 0 0 4 1 0 0 1 0 1 0 0 1 0 1 0 0 0 4 1 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 0		Fs. Ft. In. Fs. Ft. In.
Soft light blue metal 0 1 7 7 7 7 7 7 7 7 7		D 14 0 0 10 100 5 0
Hard grey freestone	Diought and and	2 2.048.10
Soft blue metal Soft blue metal O 2	Soft light blue metal 0 1 7	
COAL 0 0 4 1 0 4	Hard grey treestone 0 3	
Dark blue metal 1 2 5 5		0.0
Dark blue metal	00/1E	
Hard dun metal 0 3 8 St. In.		T
White freestone 0 0 7 7 Soft dark blue metal 0 3 1	Dark blue metal 1 2 5	Hard dun metal 0 3 8
Soft dark blue metal 0 3 1 COAL 0 10 Soft dark blue metal 0 10 Soft dark blue metal 1 1 COAL 0 5½		
Soft dark blue metal 0 1 1 COAL 0 3 COAL 0 5½ 2 4 1 10½ 2 2 1 1 0 0 4 8 1 1 0 0 4 8 1 1 0 0 4 8 1 1 0 0 4 8 1 1 0 0 4 8 1 1 0 0 4 8 1 1 0 0 4 8 1 1 0 0 4 8 1 1 0 0 4 8 1 1 0 0 0 4 8 1 0 0 0 4 8 1 0 0 0 4 8 1 0 0 0 4 8 1 0 0 0 4 8 1 0 0 4 8 1 0 0 0 0 0 0 0 0 0		
COAL 0 10 Soft dark blue metal 1 1 COAL 0 5½ ———————————————————————————————————	DOID CHAIR DIGG INCOME	
Soft dark blue metal 1 1 1 1 1 1 1 1		
Metal 1 1 1 1 1 1 1 1		
COAL 0 5½		0 4 8
Dark blue metal 0 4 8 8 8 8 8 10 2 10 2 10 2 10 10		Soft blue metal 1 1 0
Dark blue metal 0 4 8 Scremerston Main Dark red freestone 4 0 4 Light grey whin 0 1 0 Dark brown limestone 0 0 8 Tills and metal 0 3 11 COAL 0 0 0 2 Blue metal and dun post 0 2 10 Blue metal thill 0 1 0 Blue metal thill 0 4 2		
Dark blue metal 0 4 8		
Dark red freestone 4 0 4 Light grey whin 0 1 0 Dark brown limestone 0 0 8 Tills and metal 0 0 3 11 COAL 0 0 2 Blue metal and dun post 0 2 10 Blue metal thill 0 2 1 5 Blue metal thill 0 4 2		* ~ *
Light grey whin 0 1 0 Dark brown limestone 0 0 8 Tills and metal 0 3 11 COAL 0 0 2 Blue metal and dun post 0 2 10 Blue metal thill 1 2 COAL, top 2 10 Grey stone band 0 3 COAL, ground 1 3 COAL, ground 1 3 Blue metal thill 2 1 5 Blue metal thill 0 4 2	Arteria Datio Income 111	
Dark brown limestone 0 0 8 Tills and metal 0 3 11 COAL 0 0 2 Blue metal and dun post 0 2 10 Blue metal thill 0 4 2 Blue metal thill 0 4 2	Treat and the second se	
COAL 0 0 2 Blue metal and dun post 0 2 10 Blue metal thill 0 4 2		COAL, top 2 10
Blue metal and dun post 0 2 10 Blue metal thill 0 4 2	Tills and metal 0 3 11	Grey stone band 0 3
Blue metal and dun post 0 2 10 Blue metal thill 0 4 2	COAL 0 0 2	COAL, ground 1 3
post 0 2 10 Blue metal thill 0 4 2	5 4	
pose o a to	Blue metal and dun	
		Blue metal thill 0 4 2
Carried forward 0 2 10 106 5 0 Total <u>111 0 9</u>		
	Carried forward 0 2 10 106 5	0 Total 111 0 9

No. 1,671.—SCREMERSTON.

TOWNSHIP OF SCREMERSTON, NORTHUMBERLAND.

Sheet 7 of Ordnance Map. Lat.

, Long.

Section of Strata sunk and bored through between the Scremerston Main Coal and Bulman and Cowper-Eye Seams, in No. 16 Pit, on the Scremerston Main Coal sea level.

Approximate surface level feet above sea (Ordnance datum).

Depth to Scremerston	Fs. Ft. In. Fs.	Ft. In.	Fs. Ft. In. Fs. Ft. In. Brought forward 0 1 2 33 3 11
Main Coal	32	0 0	Limestone 0 1 3
	0 2 6	0 0	Grey tills 0 3 6
Hard bastard freestone			arey mis o b o
Strong blue metal			Diamond Coal—
Stony or Hardy Coal-	-		Ft. In.
Ft. In.			COAL 1 0
COAL 0 11			Fire clay band 0 8½
Band 0 2			COAL $0.11\frac{1}{2}$
COAL 1 3			Soft white
Band 1 1			metal $0 ext{ } 4\frac{1}{2}$
COAL 0 9			COAL 0 6
	0 4 2		Blue metal 1 1
	1	3 11	COAL 0 2
Strong blue metal			0 4 9½
Soft blue metal	0 0 2		$148\frac{1}{2}$
~			
Carried forward	0 1 2 33	3 11	Carried forward 35 2 7½

No. 1,671.—SCREMERSTON.—CONTINUED.

D h.4 C	Fs.	Ft. I	n. Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward $54 + 1 + 7\frac{1}{2}$
Brought forward	0	2	0	2	$7\frac{1}{2}$	Brought forward $54 ext{ 1 } 7\frac{1}{2}$ Metal $2 ext{ 1 } 5\frac{1}{3}$
Dark blue metal	0		9			2011
Grey freestone band	0					
Dark blue metal	0		7 5			4
Grey freestone bands	0					
Strong grey tills	0	3 1				Freestone $1 5 4\frac{1}{2}$
COAL	0	0	$1\frac{1}{2}$	-	0.1	Limestone $0 1 2\frac{1}{2}$
77112	_		_ 2	T	$8\frac{1}{2}$	COAL 0 0 4
Tills	0		$6\frac{1}{2}$			$\phantom{00000000000000000000000000000000000$
Limestone	0		8			Freestone bands 0 0 10
COAL	0	0	2		4.3	Metal $0 \ 3 \ 0\frac{1}{2}$
			- 0	4	$4\frac{1}{2}$	COAL 0 0 1½
Soft blue metal	1	0 1	0			0 4 0
C 70 1						Metal $0 \ 1 \ 3\frac{1}{2}$
Cancer, Bulman, or						Freestone 1 4 0
Main Coal-						Freestone bands $0 ext{ 4 } ext{4} ext{2}$
Ft. In						Metal 0 1 3
COAL 0 5						Hard band 0 0 3
Black metal 0 5	,					Strong blue metal 1 3 $0\frac{1}{2}$
COAL, top 1 1						COAL-3/4 Coal 0 3 11
Chalk stone 0 0						
COAL, splint 0 9						Metal 0 1 7
COAL, band 0 3						Bastard freestone $0 2 4\frac{1}{2}$
COAL, ground 2 0						Tills 0 1 11
Black metal 0 3						Tills and band $0 ext{ } 1 ext{ } 9\frac{1}{2}$
Chalk stone 0 1						COAL 0 0 2
COAL, smithy 0 4						1 1 10
	0	5	8			Limestone 0 0 10
			- 2	0	6	Freestone band 0 1 8
Black metal	0	0	6			Metal 0 0 10
Soft white metal	0		3			COAL 0 0 5
Freestone band	0	1	4 .			0 3 9
Blue metal	0	1	0			Tills 0 0 9
Limestone	0	1	3			Freestone band 0 2 0
Grey tills	0	3	0			Crackling post 0 0 9½
Freestone	5	0	6			Tills 0 0 $10\frac{1}{2}$
Freestone	0	4	0			Limestone 0 2 0
COAL	0	0	6			
			- 7	1	4	Cooper-Eye Coal—
Limestone	0	2	5			COAL, top Ft. In.
Blue metal	^	3	3			or splint 1 5
Freestone bands	0	4	$3\frac{1}{2}$			Band stones 2 1
Metal	0	1	$3\frac{7}{2}$			COAL,ground1 4
COAL	- 0	0	9			0 4 10 $$ 1 5 3
			- 2	0	0	
Freestone bands	0	2	$3\frac{1}{2}$			0 1 0
Black metal	_	5	6			Limestone 0 1 6
Freestone	_	2	0			Tills 0 2 0
Blue metal	_	5	ŏ			Limestone, impure 0 3 0
Limestone	_	2	$3\frac{1}{2}$			Grey and blue metals 0 3 8
712 7 / 3	~	ĩ	3			Freestone band 0 1 6
0011		0	6			Blue metal 1 1 4
COAL			_ 3	0	10	COAL 0 0 3
Limestone	0	1	$\frac{-2\frac{1}{2}}{2}$	J	10	3 4 10
35.7 3	0	0 1				Grey metal 0 3 0
		3				Limestone 0 2 0
Freestone	0		$0\frac{1}{2}$			Blue metal 0 1 0
Metal	_	1 1				Freestone band 0 2 0
Freestone bands	^	0 1				COAL 0 0 9
COAL	0	0	6	0	0	1 2 9
	-		- 1	2	3	
0 + 10			- 4	7	71	Carried forward 73 3 93
Carried fo	rwai	ru.	54	1	71/2	Carried forward 19 9 93

No. 1,671.—SCREMERSTON.—CONTINUED.

Brought forward	Fs. Ft. In. Fs. Ft. In. 73 3 9\frac{1}{3}	Brought forward 0 5 1 78 5 $0\frac{1}{2}$
Freestone band	0 4 0	Wester Coal— Ft. In.
Grey metal	0 4 0	COAL 0 6
Metal	0 0 10	Blue metal 1 6
COAL	0 0 6	COAL 0 7
OOAL	1 3 4	
69 4 3 3	0 4 0	Grey metal 0 8
Slaty band		COAL 0 3
Blue and grey metals	0 1 0	Black metal 0 8
COAL	0 0 6	COAL 0 6
	0 5 6	Black metal 0 6
Limestone	0 0 4	
Blue, black, and grey		COAL 0 6
	0 4 8	0 5 8
		1 4 0
Freestone		1 4 9
Grey metal	0 0 8	
Limestone	0 0 6	Blue metal 1 4 0
Metal	0 1 4	Slaty stone 0 3 0
COAL	0 0 3	Limestone 0 1 6
	2 1 9	Blue tills 0 0 10
D . 4		0.041
Freestone		COAL 0 0 6
COAL	0 0 4	2 3 10
	0 2 8	
Blue metal	0 3 1	
Limestone	0 1 6	
	0 0 6	
Grey metal	0 0	
		TD 4.1
Carried forward	0 5 1 78 5 01	Total $83 \ 1 \ 7\frac{1}{2}$
Current Lor Warte	5 5 2 .5 5 52	

No. 1,672.—SCREMERSTON.

TOWNSHIP OF SCREMERSTON, NORTHUMBERLAND.

Sheet 7 of Ordnance Map. Lat.

, Long.

Account of Strata from the surface to the Main Coal Seam in the Engine Pit, Scremerston Colliery, three miles S.S.E. of Berwick-on-Tweed.

Approximate surface level feet above sea (Ordnance datum).

Sunk through clay and	Fs.	Ft.	In.	Fs.	Ft.	In.	D 1 . C . 3	Fs.	Ft.	In.	Fg.		
broken stone	3	1	0				Brought forward Grey bands and metal	2	1	8	5	2	$7\frac{1}{2}$
Box Blue metal			0				Red sandstone						
Hard band		$\frac{1}{0}$	3; 6				White sandstone	3	1	5 6			
Grey band											9	1	9
Hard band		0										_	Ŭ
	_			5	2	$7\frac{1}{2}$							
2.				-									-
Carried for	war	d		5	2	$7\frac{1}{2}$	Carried for	vare	1		14	4	41

No. 1,672.—SCREMERSTON.—CONTINUED.

Brought forwar		Ft.	In.			In. $4\frac{1}{5}$	Brought forward Sr. Ft. In. Fs. Ft. In. 37 1 10
731 / 1	0	2	3	LL		12	
	0	4	3				Boring from Main
Thill or metal stone.		1	0				Coal towards Can-
COAL	0	1	0				cer Coal:—
	-			1	2	6	Blue metal 1 5 5
Blue metal	0	3	0				Girdle 0 0 5
	0	0	6				Blue metal 0 3 4
727 1 7 1	0	3	ŏ				Girdle 0 0 6 Blue metal parting 0 0 3
	1	5	6	ļ			Post girdle 0 0 11
	0	3	4				1000 giraic 0 0 11
	0	4	8				Stony Coal—
	1	0	7				Ft. In.
35 / 3	0	1	0				COAL 2 3
	1 0	$\frac{3}{1}$	$\frac{2!}{7}$	2			Band 0 6
0041	0 0	0	4				COAL 0 10
	0			—	9	0	0 3 7
				7	2	9	3 2 5
	0	4	8				
T11 / 1	0 0	0	5 4				Blue metal 0 1 6
0041		1	2				Girdle 0 0 4 Parting 0 0 1
COAL	0			1	1	7	Parting 0 0 1 Girdle 0 0 5
Dandy matal	0	E.	10	_	~	•	Brown metal 0 2 9
TT 7 7		0	6				
70 1 1	0 0	3	7				Diamond Coal—
TTTT 4	0		11				Ft. In,
	0	1	6				COAL 0 5
	1		10				Brown metal 1 5 COAL 0 7
	0		10				
35 / 3	0 0	0	2 3				0 2 5
0041	0 0	1	8				1 1 6
				5	1	1	Brown metal 0 1 9
Metal	0	2	3				White freestone 1 1 0
TTTS 4.	ĭ	1	2	Į.			Red freestone 1 1 0
35 1 3 "	0	ō	$\overline{6}$	2			White freestone 11 0 5
XXXX *	2	1	5				Parting 0 0 3
	0	1	3				White freestone 0 1 0
36 / 3	0	2	9				COAL—Cancer Coal 0 2 0
0041	0 0	4	6				14 1 5
COAL	0	U		5	2	$4\frac{1}{2}$	Grey metal 0 0 6
MC 4.1	0	-	^	Ŭ	_	-2	Limestone 0 3 6
T	0	$\frac{1}{2}$	0				Grey metal 0 4 8
Limestone	0		U				COAL 0 0 6
Scremerston Main							1 3 2
Coal— Ft.							
COAL, coarse 1	6						Grey metal 0 1 4 White freestone 0 3 9
Grey metal stone 0	6						White freestone 0 3 9 Limestone 0 0 6
COAL, coarse 0	-						White freestone 0 4 5
Stone 0							Limestone 0 3 2
Rough stone. '0							2 1 2
COAL 4	3	-					
	- 1	2	2	1	5	2	6
	_			1	9		distribution of the second of
Carried	forw	ard		37	1	10	Total 59 5 6
Carrie				- 1			

No. 1,673.—SCREMERSTON.

TOWNSHIP OF SCREMERSTON, NORTHUMBERLAND.

Sheet 7 of Ordnance Map. Lat.

, Long.

Bored and sunk in the Pit below the Main Coal Seam at Scremerston Colliery.

December 3rd, 1831.

Approximate surface level feet above sea (Ordnance datum).

To the Main Coal Fs. Ft. In. Fs. Ft. In.	Brought forward 1 4 9 35 0 0
Seam 30 0 0	Red freestone 1 1 0
Main Coal Seam-	White freestone 11 0 5
	Parting 0 0 3
COAL, good 2 9	White freestone 0 1 0
Black slate 0 4	0041
COAL, ground,	——————————————————————————————————————
coarse 1 0	Grey metal 0 0 6
0 4 1	Limestone 0 3 6
0 4 1	Grey metal 0 4 8
	COAL 0 0 6
To thill of Main Coal 30 4 1	1 3 2
Sunk below 4 1 11	Grey metal 0 1 4
	White freestone 0 3 9
Bored further:—	Limestone 0 0 6
Brown metal 0 1 5	White freestone 0 4 5
COAL 0 0 7	Limestone 0 3 2
Brown metal 0 1 9	2 1 2
White freestone 1 1 0	
Carried forward 1 4 9 35 0 0	Total 53 1 9
	00 1 0

No. 1,674.—SCREMERSTON.

TOWNSHIP OF SCREMERSTON, NORTHUMBERLAND.

Sheet 7 of Ordnance Map. Lat.

, Long.

A Section of the Mountain Limestone from about half a mile from Mrs. Johnson's House, near Scremerston Station, near Spittle. March 29th, 1854.

Approximate surface level feet above sea (Ordnance datum).

Blue limestone	Brought forward 11 0 10 Beddy sandstone and metal 3 0 0 Hard band stone 0 2 0
Carried forward 11 0 10	Carried forward 14 2 10

No. 1,674.—SCREMERSTON.—CONTINUED.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 14 2 10	Brought forward 80 5 10
Beddy sandstone and	White sandstone 2 0 0
blue metal 8 3 0	Metal 2 0 0
Limestone 1 1 0	Limestone 1 0 0
Grey freestone 8 4 0	Sandstone and metal 14 0 0
Limestone 4 0 0	Limestone 2 0 0
Sandstone and blue	Red freestone 3 3 0
metal 3 0 0	Grey metal and dark
Limestone 0 4 0	sandstone 35 0 0
Limestone 0 4 0 Dark sandstone 1 2 0	Beddy metal and beddy
Beddy sandstone 3 2 0	sandstone 7 0 0
Beddy metal and sand-	Limestone, white 0 5 0
stone 10 0 0	Beddy freestone and
Limestone 0 5 0	metals 4 3 0
Beddy sandstone and	Metals and fine clay,
	alternate with free-
Idimestone 1 2 0	14 0 0
Limestone 1 2 0	
Beddy freestone 5 3 0	
Limestone 1 2 0 Beddy freestone 5 3 0 Limestone, dun 0 2 0 COAL 0 1 0	
	Beddy metal 6 0 0 Dun limestone 0 5 0
Grey thill stone 0 4 0	
Blue metal 3 0 0	COAL 0 1 3
Beddy sandstone and	178 1 1
metal 8 3 0	
Carried forward 80 5 10	Total <u>178 1 1</u>

No. 1,675.—SEAHAM.

TOWNSHIP OF SEAHAM, DURHAM.

Sheet 21 of Ordnance Map. Lat.

, Long.

Account of Strata bored through upon the Seaham Estate, belonging to the Marquis of Londonderry.

Approximate surface level feet above sea (Ordnance datum).

Soil Fs. Ft. In. Fs. Ft. In. Strong clay 8 5 0 Soft marl 1 0 0 Strong brown lime-	Brought forward 58 3 6 9 0 0 Strong brown lime- stone, with thin panels and water 0 3 0 Sandstone 1 2 4
stone, with marly parting 8 0 0 Strong brown limestone, with marly parting 20 0 0	Grey metal 1 1 6 Red metal 0 2 5 Strong post, mixed with whin 0 3 2 Grey metal, with post
Strong brown lime- stone, with water 14 4 0 Sandy brown lime- stone, with marly parting 14 5 6	girdles 0 4 1 Into dark metal, with post girdles.
Carried forward 58 3 6 9 0 0	Total 72 2 0

No. 1,676.—SEAHAM.

TOWNSHIP OF SEAHAM, DURHAM.

Sheet 21 of Ordnance Map. Lat. 54° 50' 15'', Long. 1° 19' 34''.

Account of a Boring at Seaham Harbour, between the South and North Docks, in the Inner Harbour. October 14th, 1834.

Approximate surface level 10 feet above sea (Ordnance datum).

	Fs.	Ft.	In. Fs. F	t. In.				In. Fs.	Ft.	In
Strong brown lime- {	1	4	0		Brought forward	32	3	0		
stone	0	5	0	*	Marly limestone, with					
Monly limestone	2	2	0		girdles Marl	6	3	0		
Marly limestone Soft marly parting	õ	Õ	8		Marl	4	0	0.		
	U	0	U		Limestone, with marly					
Strong metal, with	9	Q	4.		partings	8	0	0		
hard girdles	4	Ð	100		partings Strong limestone	0	5	0		
Soft yellow ochre-like	0	1	C		Rambly limestone,					
marl Marl, with blue scares	0	7	9		with partings and					
	U	9	4		nodules	3	2	0		
Marl, with white scares					Ductile marl, mixed					
and hard girdles in	17	4	4		with clay and a					
different places	7	4	4		spring of water	0	1	0		
Strong gulletty lime-	0	-	0		Girdly and noduly	•	_			
stone	U	9	U		limestone, with gul-					
Marly limestone, with					lets		0	0		
hard girdles and		-	0	-	1605			56	2	0
marly partings	4	T	U						~	
Strong white gulletty										
limestone, with wa-										
ter and hard girdles	11	3	0							
		_			m + 1				- 0	
Carried forward	32	3	0		Total		• • •	_ 5t	2	0
								-		

^{*} Approximate sea level (Ordnance datum).

No. 1,677.—SEAHAM.

TOWNSHIP OF SEAHAM, DURHAM.

Sheet 21 of Ordnance Map. Lat. 54° 50′ 22″, Long. 1° 21′ 47″.

Section of Strata sunk through in the Union Pit, at Seaham and Seaton Colliery. July 31st, 1844.

Approximate surface level 230 feet above sea (Ordnance datum).

Outset	Fs. Ft. In. Fs. Ft. In. 0 3 0	Brought forward 9 3 0
Soil	0 1 0	Soft marl 1 0 0
Brown clay, strong and stony		Brown limestone, with strong marly part-
		ing 8 0 0
Carried forward	9 3 0	Carried forward 18 3 0

No. 1,677.—SEAHAM.—CONTINUED.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs, Ft. In.
Brought forward 18 3 0	Brought forward 8 1 $8\frac{1}{2}$ 84 2 9
stone { 19 5 0 **	Ft. In
stone (0 1 0	COAL 2 8 Band 0 4
Strong limestone, with	Band 0 4
water 14 0 0	COAL 1 11
Limestone, mixed with	- 0 4 11
sand 0 4 0	
Strong brown lime-	Grey metal 1 5 3
stone 14 0 0	COAL $0 \ 0 \ 1\frac{1}{2}$
Sand, with water 1 · 2 6	Grey metal 1 1 6
Grey metal, mixed	Grey post 1 1 6
with blue 1 2 4	Grey metal 12 1 3
69 5 10	COAL 0 0 8
Red metal or sandy	Black stone, mixed
post 1 1 6	with coal $0 \ 0 \ 3\frac{1}{2}$
Strong white post,	Strong grey post, with
with whin 0 2 5	girdles 2 1 7
Grey metal, mixed with post girdles 0 3 2	COAL, foul 0 0 7
T and G	
Dark metal, with post girdles 0 4 1	Grey metal, with post
	girdles 2 3 1
0 0 01	Strong white post 4 1 9
	Grey metal 5 3 10
0.00	Strong white post,
	with water 7 1 9
8 3 10	Dark grey metal 5 4 3
Dark grey metal, with	Ft. In.
post girdles 2 4 11	COAL 0 3
Ft. In.	Band $0 7\frac{1}{2}$
COAL 0 5	COAL $0 \ 2\frac{1}{2}$
Band $0 \ 1\frac{1}{2}$	0 1 1
COAL 0 8	25 3 9
Band $0 1\frac{1}{2}$	Strong grey post, with
COAL 1 4	metal partings 1 2 3
Band 0 2	COAL 0 0 8
COAL 1 8	1 2 11
0 4 6	Insuration a last of the contract of the contr
3 3 5	Ironstone balls 2 4 6
	Strong gray nost
Grey metal 0 2 4	Strong grey post,
Grey metal 0 2 4 Grey post, with whin	mixed with whin 5 3 3
Grey metal 0 2 4 Grey post, with whin girdles and metal	
Grey metal 0 2 4 Grey post, with whin girdles and metal partings 0 5 11	mixed with whin 5 3 3 Grey metal 0 4 3 Ft. In.
Grey metal 0 2 4 Grey post, with whin girdles and metal partings 0 5 11 COAL 0 0 1	mixed with whin 5 3 3 Grey metal 0 4 3 $\frac{\text{Ft. In.}}{0.000000000000000000000000000000000$
Grey metal 0 2 4 Grey post, with whin girdles and metal partings 0 5 11 • COAL 0 0 1 Dark grey metal 0 4 4	mixed with whin 5 3 3 Grey metal 0 4 3 $\frac{\text{Ft. In.}}{0.000000000000000000000000000000000$
Grey metal 0 2 4 Grey post, with whin girdles and metal partings 0 5 11 COAL 0 0 1 Dark grey metal 0 4 4 COAL 0 1 0	mixed with whin 5 3 3 3 Grey metal 0 4 3
Grey metal 0 2 4 Grey post, with whin girdles and metal partings 0 5 11 · COAL 0 0 1 1 Dark grey metal 0 4 4 COAL 0 1 0	mixed with whin 5 3 3 3 Grey metal 0 4 3 COAL 0 9½ Parting 0 0½ COAL 2 0 0 2 10
Grey metal 0 2 4 Grey post, with whin girdles and metal partings 0 5 11 COAL 0 0 1 Dark grey metal 0 4 4 COAL 0 1 0 Grey metal 1 3 4	mixed with whin 5 3 3 3 Grey metal 0 4 3
Grey metal 0 2 4 Grey post, with whin girdles and metal partings 0 5 11 COAL 0 0 1 Dark grey metal 0 4 4 COAL 0 1 0 Grey metal 1 3 4 COAL 0 0 3	mixed with whin 5 3 3 3 Grey metal 0 4 3 COAL 0 9½ Parting 0 0½ COAL 2 0 0 2 10
Grey metal 0 2 4 Grey post, with whin girdles and metal partings 0 5 11 COAL 0 0 1 Dark grey metal 0 4 4 COAL 0 1 0 Grey metal 1 3 4 COAL 0 0 3 Dark grey metal 0 0 3 Dark grey metal 0 1 1	mixed with whin 5 3 3 3 Grey metal 0 4 3 COAL 0 9½ Parting 0 0½ COAL 2 0
Grey metal 0 2 4 Grey post, with whin girdles and metal partings 0 5 11 COAL 0 0 1 Dark grey metal 0 4 4 COAL 0 1 0 Grey metal 1 3 4 COAL 0 0 3 Dark grey metal 0 1 1 COAL 0 0 3 Dark grey metal 0 1 1 COAL 0 0 1 1	mixed with whin 5 3 3 3 Grey metal 0 4 3 COAL 0 9½ Parting 0 0½ COAL 2 0
Grey metal 0 2 4 Grey post, with whin girdles and metal partings 0 5 11 COAL 0 0 1 Dark grey metal 0 4 4 COAL 0 1 0 Grey metal 1 3 4 COAL 0 0 3 Dark grey metal 0 0 3 Dark grey metal 0 1 1 COAL 0 0 1 Dark grey metal 1 0 4	mixed with whin 5 3 3 3 Grey metal 0 4 3 COAL 0 9½ Parting 0 0½ COAL 2 0
Grey metal 0 2 4 Grey post, with whin girdles and metal partings 0 5 11 COAL 0 0 1 Dark grey metal 0 4 4 COAL 0 1 0 Grey metal 1 3 4 COAL 0 0 3 Dark grey metal 0 1 1 COAL 0 0 1 Dark grey metal 0 1 1 COAL 0 0 1 1 COAL 0 0 1 1 Strong white post 2 0 4	mixed with whin 5 3 3 3 Grey metal 0 4 3 COAL 0 9½ Parting 0 0½ COAL 2 0 0 2 10 Strong white post, with water and metal partings 6 0 0 Grey metal 0 1 0 Strong white post,
Grey metal 0 2 4 Grey post, with whin girdles and metal partings 0 5 11 COAL 0 0 1 Dark grey metal 0 4 4 COAL 0 1 0 Grey metal 1 3 4 COAL 0 0 3 Dark grey metal 0 1 1 COAL 0 0 1 Dark grey metal 0 1 1 COAL 0 0 1 1 COAL 0 4 4 COAL 0 4 4 COAL 0 4 4 COAL 0 5 1 1 COAL 0 4 4 COAL 0 5 1 1 COAL 0 5 1 1 COAL 0 6 1 1 COAL 0 7 1 1 COAL	mixed with whin 5 3 3 3 Grey metal 0 4 3 COAL 0 9½ Parting 0 0½ COAL 2 0
Grey metal 0 2 4 Grey post, with whin girdles and metal partings 0 5 11 COAL 0 0 1 Dark grey metal 0 4 4 COAL 0 1 0 Grey metal 1 3 4 COAL 0 0 3 Dark grey metal 0 1 1 COAL 0 0 1 1 COAL 0 0 3 Dark grey metal 0 1 1 COAL 0 0 1 ½ Dark grey metal 0 0 1½ Strong white post 2 0 4 Dark grey metal 2 0 4 Dark grey metal 2 2 3 Black stone, with iron-	mixed with whin 5 3 3 3 Grey metal 0 4 3 COAL 0 9½ Parting 0 0½ COAL 2 0
Grey metal 0 2 4 Grey post, with whin girdles and metal partings 0 5 11 COAL 0 0 1 Dark grey metal 0 4 4 COAL 0 1 0 Grey metal 1 3 4 COAL 0 0 3 Dark grey metal 0 1 1 COAL 0 0 1 Dark grey metal 0 1 1 COAL 0 0 1 1 COAL 0 4 4 COAL 0 4 4 COAL 0 4 4 COAL 0 5 1 1 COAL 0 4 4 COAL 0 5 1 1 COAL 0 5 1 1 COAL 0 6 1 1 COAL 0 7 1 1 COAL	mixed with whin 5 3 3 3 Grey metal 0 4 3 COAL 0 9½ Parting 0 0½ COAL 2 0
Grey metal 0 2 4 Grey post, with whin girdles and metal partings 0 5 11 COAL 0 0 1 Dark grey metal 0 4 4 COAL 0 1 0 Grey metal 1 3 4 COAL 0 0 3 Dark grey metal 0 1 1 COAL 0 0 1 1 COAL 0 0 3 Dark grey metal 0 1 1 COAL 0 0 1 ½ Dark grey metal 0 0 1½ Strong white post 2 0 4 Dark grey metal 2 0 4 Dark grey metal 2 2 3 Black stone, with iron-	mixed with whin 5 3 3 3 Grey metal 0 4 3 COAL 0 9½ Parting 0 0½ COAL 2 0
Grey metal 0 2 4 Grey post, with whin girdles and metal partings 0 5 11 COAL 0 0 1 Dark grey metal 0 4 4 COAL 0 1 0 Grey metal 1 3 4 COAL 0 0 3 Dark grey metal 0 1 1 COAL 0 0 1 1 COAL 0 0 3 Dark grey metal 0 1 1 COAL 0 0 1 ½ Dark grey metal 0 0 1½ Strong white post 2 0 4 Dark grey metal 2 0 4 Dark grey metal 2 2 3 Black stone, with iron-	mixed with whin 5 3 3 3 Grey metal 0 4 3 COAL 0 9½ Parting 0 0½ COAL 2 0

^{*} Approximate sea level (Ordnauce datum).

No. 1,677.—SEAHAM.—CONTINUED.

7 1 0 1	Fs. Ft	. In. Fs.		Fs. Ft. In. Fs. Ft. In.
Brought forward Dark grey metal	1 0		$5 \ 7\frac{1}{2}$	Brought forward 243 2 5½ Strong grey metal,
Dark metal, mixed	1 0	•		with post girdles 1 1 10
with water	1 2	0		COAL 0 0 5
Strong white post,				Grey metal and post
with metal partings	$ \begin{array}{ccc} 5 & 1 \\ 2 & 1 \end{array} $			girdles 1 3 5 COAL 0 1 2
Dark grey metal	$\begin{array}{cccccccccccccccccccccccccccccccccccc$			
		_ 9	5 8	3 0 10
C	0 1		0 0	Grey metal, with post
Grey metal	$\begin{bmatrix} 2 & 1 \\ 0 & 0 \end{bmatrix}$			girdles 5 4 7 COAL—Hutton Seam 0 4 10
COAL	0 0		1 0	101 100
		2	1 8	6 3 5
Grey metal, with post	4 0			Grey metal 0 5 6
coal	$\begin{array}{ccc} 4 & 2 \\ 0 & 0 \end{array}$			Black stone 0 0 6 COAL 0 0 9
COAL	0 0		0.11	
		4	2 11	1 0 9
Grey metal, with post	16 0	0		Strong grey post, with
girdles COAL—5/4 Seam	16 3 0 3			metal partings 4 4 10
Ja Scull			0 -	Black metal 0 1 2 Grey metal stone, with
G4		17	0 5	post girdles 1 1 7
Strong grey metal	- 4	0		Black metal 0 1 0
Black metal, mixed	5 4	0		COAL 0 0 1
with coal	0 2	0		Strong white post 5 1 7
Grey metal	0 4	5		Black metal, mixed with coal 1 5 2
COAL	0 1	0		Dark grey metal,
		6	5 5	mixed with coal 1 1 4
Grey metal, with thin				Strong white post 0 1 8
girdles	3 5	0		Black metal 0 3 0
COAL	0 1	2		15 3 5
		- 4	0 2	
Strong grey metal				269 4 103
stone	4 3	5		
White post	2 4			
Strong grey post, with	0 1	2		
metal partings	9 0	4		Bored through:—
COAL - Main Coal		_		Strong grey post 8 1 6
Seam	1 0	1		Grey metal stone 0 1 0
		17	3 5	Strong white post 0 0 6
Strong grey and white				Grey metal 0 3 0 White post 0 1 0
post	2 3	1		Grey metal 0 1 0
Black stone	0 2	6		White post 0 0 6
Grey metal, with iron- stone girdles	4 4	11		Grey metal 0 4 0
COAL — Maudlin	4 4	11		COAL 0 3 0
Seam	0 3	6		11 0 6
		8	2 0	In grey metal 1 0 6
Grey metal, with post				
girdles		3		
COAL	0 3			•
COAL	0 0	11		
		- 13	5 2	
(1				711 4 1
Carried fo	rward	243	$2 \ 5\frac{1}{2}$	Total <u>281 5 10</u> }

No. 1,678.—SEAHAM.

TOWNSHIP OF SEAHAM, DURHAM.

Sheet 21 of Ordnance Map. Lat. 54° 50′ 25″, Long. 1° 21′ 37″.

An Account of Strata sunk through at Seaham Colliery. Broke ground, April 13th, 1849.

Approximate surface level 220 feet above sea (Ordnance datum).

							1						
~				Fs.	Ft.	In.				In. 1			In.
Soil	0	0	10				Brought forward	2	1	0 5	90	0	4
Brown clay	4	0	2				Grey metal, mixed						
Blue clay	5	1	0				with post	1	0	3			
Strong brown lime-							COAL	0	2	3			
stone	4	4	0								3	3	6
3.6 1	5	3	2				Soft anar matal	Ω	1	9	0	U	U
	_						Soft grey metal	0	1	J			
Magnesian limestone	6	_	0				Strong white post,	_	_	_			
Brown limestone		0					with partings	1	3	0			
Yellow limestone	4	0	0				Blue metal	0	1	5			
Soft clay parting	0	0	4				Black metal	0	0	8			
Soft yellow limestone,							Ironstone girdles	0	0	5			
with water	1	2	8				Black metal	Ō	1	3			
Soft limestone, with		4	0				Ι α ι ι	ĭ	ī				
	<	_	_			*			1	TT			
hard brown girdles	17	4	10				Strong grey metal,	0		_			
Brown limestone, with							with balls of whin	0	4	0			
water	. 1	3	2				Strong white post,						
Strong brown lime-							mixed with whin						
stone, with water	4	0	2				and water	4	1	6			
Soft clay parting	ō	0	5				Dark grev metal	0	3	2			
Strong brown lime-		•					COAL	ō	0	3			
stone, with water	5	4	5								9	1	4
	U	195	o				D 1	_	_		U	1	-10
Strong white and							Dark grey metal	3	2	4			
brown limestone,		_					Ft. In.						
with partings	8	1	5				COAL 0 61						
Dark brown limestone,							Grey metal 0 1						
with water	4	3	0				0041						
with water	4	3	0				COAL 1 11						
with water White limestone, with							Grey metal 0 2½						
with water White limestone, with black partings	4 2	3 1	0				COAL 1 11						
with water White limestone, with black partings White limestone, with	2	1	0				Grey metal 0 2½		4				
with water White limestone, with black partings White limestone, with brown girdles	2						Grey metal 0 2½		4		4	0	10
with water White limestone, with black partings White limestone, with brown girdles Blue limestone, with	2	1	0				Grey metal 0 2½		4		4	0	10
with water White limestone, with black partings White limestone, with brown girdles	2	1	0				COAL	0			4	0	10
with water White limestone, with black partings White limestone, with brown girdles Blue limestone, with	2 12	0	0				COAL		4		4	0	10
with water White limestone, with black partings White limestone, with brown girdles Blue limestone, with metal partings	2 12 1	1 0 0	0 5 2 9	84	0	9	COAL	0	4	0	4	0	10
with water White limestone, with black partings White limestone, with brown girdles Blue limestone, with metal partings Mild yellow limestone	2 12 1 0	1 0 0 1	0 5 2 9	84	0	9	Grey metal, with post girdles Blue metal, with ironstone girdles	0 0 0	4 3	0 7	4	0	10
with water White limestone, with black partings White limestone, with brown girdles Blue limestone, with metal partings Mild yellow limestone Strong dark grey metal	2 12 1	1 0 0	0 5 2 9	84	0	9	COAL	0	4	0 7 1			
with water White limestone, with black partings White limestone, with brown girdles Blue limestone, with metal partings Mild yellow limestone Strong dark grey metal Black metal, with	$ \begin{array}{c} 2 \\ 12 \\ \hline 0 \\ \hline 0 \end{array} $	1 0 0 1	0 5 2 9 0	84	0	9	Grey metal, with post girdles Blue metal, with ironstone girdles COAL	0 0 0 0	4 3 0	0 7 1	4	0	10
with water White limestone, with black partings White limestone, with brown girdles Blue limestone, with metal partings Mild yellow limestone Strong dark grey metal Black metal, with partings	2 12 1 0	1 0 0 1	0 5 2 9	84	0	9	Grey metal 0 24 COAL 1 82 Grey metal, with post girdles Blue metal, with ironstone girdles COAL Dark grey metal	0 0 0	4 3	0 7 1 8			
with water White limestone, with black partings White limestone, with brown girdles Blue limestone, with metal partings Mild yellow limestone Strong dark grey metal Black metal, with partings Strong sandstone, with	$ \begin{array}{c} 2 \\ 12 \\ \hline 0 \\ \hline 0 \\ 0 \end{array} $	1 0 0 1 4 0	0 5 2 9 0 2	84	0	9	Grey metal, with post girdles Blue metal, with ironstone girdles COAL	0 0 0 0	4 3 0	0 7 1			
with water White limestone, with black partings White limestone, with brown girdles Blue limestone, with metal partings Mild yellow limestone Strong dark grey metal Black metal, with partings Strong sandstone, with a little water	$ \begin{array}{c} 2 \\ 12 \\ \hline 0 \\ \hline 0 \end{array} $	1 0 0 1	0 5 2 9 0	84	0	9	Grey metal, with post girdles Blue metal, with ironstone girdles COAL Bue metal, with ironstone girdles COAL Dark grey metal	0 0 0 0	4 3 0	0 7 1 8 1			
with water White limestone, with black partings White limestone, with brown girdles Blue limestone, with metal partings Mild yellow limestone Strong dark grey metal Black metal, with partings Strong sandstone, with a little water	$ \begin{array}{c} 2 \\ 12 \\ \hline 0 \\ \hline 0 \\ 0 \end{array} $	1 0 0 1 4 0	0 5 2 9 0 2	84	0	9	Grey metal 1 11 Grey metal 0 2 d COAL 1 8 d COAL 1 8 d COAL Blue metal, with ironstone girdles COAL COAL	0 0 0 0 0 0	4 3 0 3 1	0 7 1 8 1	1	1	8
with water White limestone, with black partings White limestone, with brown girdles Blue limestone, with metal partings Mild yellow limestone Strong dark grey metal Black metal, with partings Strong sandstone, with a little water Red metal, with part-	$ \begin{array}{c} 2 \\ 12 \\ 0 \\ \hline 0 \\ 0 \\ 1 \end{array} $	1 0 0 1 4 0	0 5 2 9 0 2 0	84	0	9	Grey metal 0 2½ COAL 1 8½ Grey metal, with post girdles Blue metal, with ironstone girdles COAL Dark grey metal COAL	0 0 0 0 0	4 3 0 3 1	0 7 1 8 1 8	1	1	8
with water White limestone, with black partings White limestone, with brown girdles Blue limestone, with metal partings Mild yellow limestone Strong dark grey metal Black metal, with partings Strong sandstone, with a little water Red metal, with partings	$ \begin{array}{c} 2 \\ 12 \\ \hline 0 \\ \hline 0 \\ 0 \end{array} $	1 0 0 1 4 0	0 5 2 9 0 2	84	0	9	Grey metal 1 11 Grey metal 0 2 d COAL 1 8 d COAL 1 8 d COAL Blue metal, with ironstone girdles COAL COAL	0 0 0 0 0 0	4 3 0 3 1	0 7 1 8 1 8 5	1 0	1 4	8
with water White limestone, with black partings White limestone, with brown girdles Blue limestone, with metal partings Mild yellow limestone Strong dark grey metal Black metal, with partings Strong sandstone, with a little water Red metal, with part- ings Black metal, with	2 12 1 0 0 0 1 2	1 0 0 1 4 0 0	0 5 2 9 0 2 0 0	84	0	9	Grey metal 1 11 Grey metal 0 23 COAL 1 82 Grey metal, with post girdles Blue metal, with ironstone girdles COAL Dark grey metal COAL Dark grey metal COAL	0 0 0 0 0 0	4 3 0 3 1 2 0	0 7 1 8 1 8 5	1	1	8
with water White limestone, with black partings White limestone, with brown girdles Blue limestone, with metal partings Mild yellow limestone Strong dark grey metal Black metal, with partings Strong sandstone, with a little water Red metal, with partings Black metal, with water	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1 0 0 1 4 0 0 0 3	0 5 2 9 0 2 0 0	84	0	9	Grey metal 1 11 Grey metal 0 2 d COAL 1 8 d COAL 1 8 d COAL Blue metal, with ironstone girdles COAL Dark grey metal COAL Dark grey metal COAL Soft grey metal	0 0 0 0 0	4 3 0 3 1	0 7 1 8 1 8 5	1 0	1 4	8
with water White limestone, with black partings White limestone, with brown girdles Blue limestone, with metal partings Mild yellow limestone Strong dark grey metal Black metal, with partings Strong sandstone, with a little water Red metal, with partings Black metal, with water Grey metal	2 12 1 0 0 0 1 2 0	1 0 0 1 4 0 0 0 3 4	0 5 2 9 0 2 0 0 0	84	0	9	Grey metal 1 11 Grey metal 0 24 COAL 1 82 Grey metal, with post girdles Blue metal, with ironstone girdles COAL Dark grey metal COAL Dark grey metal COAL Soft grey metal COAL Soft grey metal Dark grey metal COAL	0 0 0 0 0 0	4 3 0 3 1 2 0	0 7 1 8 1 8 5	1 0	1 4	8
with water White limestone, with black partings White limestone, with brown girdles Blue limestone, with metal partings Mild yellow limestone Strong dark grey metal Black metal, with partings Strong sandstone, with a little water Red metal, with partings Black metal, with water	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1 0 0 1 4 0 0 0 3	0 5 2 9 0 2 0 0				Grey metal 0 23 COAL 1 82 COAL 1 82 Grey metal, with post girdles Blue metal, with ironstone girdles COAL Dark grey metal COAL Soft grey metal Dark grey metal COAL Soft grey metal Dark grey metal mixed with post	0 0 0 0 0 0	4 3 0 3 1 2 0 2	0 7 1 8 1 8 5 0	1 0	1 4	8
with water White limestone, with black partings White limestone, with brown girdles Blue limestone, with metal partings Mild yellow limestone Strong dark grey metal Black metal, with partings Strong sandstone, with a little water Red metal, with partings Black metal, with yartings Grey metal Grey metal	2 12 1 0 0 0 1 2 0 1 0	1 0 0 1 4 0 0 0 3 4 0	0 5 2 9 0 2 0 0 0 1 4	84	0	9	Grey metal 1 11 Grey metal 0 24 COAL 1 82 Grey metal, with post girdles Blue metal, with ironstone girdles COAL Dark grey metal COAL Dark grey metal COAL Soft grey metal COAL Soft grey metal Dark grey metal COAL	0 0 0 0 0 0	4 3 0 3 1 2 0	0 7 1 8 1 8 5	1 0	1 4	8
with water White limestone, with black partings White limestone, with brown girdles Blue limestone, with metal partings Mild yellow limestone Strong dark grey metal Black metal, with partings Strong sandstone, with a little water Red metal, with partings Black metal, with partings COAL Strong grey post	2 12 1 0 0 0 1 2 0	1 0 0 1 4 0 0 0 3 4	0 5 2 9 0 2 0 0 0				Grey metal 1 11 Grey metal 0 24 COAL 1 82 Grey metal, with post girdles Blue metal, with ironstone girdles COAL Dark grey metal COAL Dark grey metal COAL Soft grey metal COAL Soft grey metal Dark grey metal mixed with post	0 0 0 0 0 0	4 3 0 3 1 2 0 2	0 7 1 8 1 8 5 0	1 0	1 4	8
with water White limestone, with black partings White limestone, with brown girdles Blue limestone, with metal partings Mild yellow limestone Strong dark grey metal Black metal, with partings Strong sandstone, with a little water Red metal, with partings Black metal, with water Grey metal Grey metal	2 12 1 0 0 0 1 2 0 1 0	1 0 0 1 4 0 0 0 3 4 0	0 5 2 9 0 2 0 0 0 1 4				Grey metal 1 11 Grey metal 0 23 COAL 1 82 Grey metal, with post girdles Blue metal, with ironstone girdles COAL Dark grey metal COAL Dark grey metal COAL Soft grey metal Soft grey metal Dark grey metal Black metal, with	0 0 0 0 0 0	4 3 0 3 1 2 0 2	0 7 1 8 1 8 5 0	1 0	1 4	8
with water White limestone, with black partings White limestone, with brown girdles Blue limestone, with metal partings Mild yellow limestone Strong dark grey metal Black metal, with partings Strong sandstone, with a little water Red metal, with partings Black metal, with yellow limestone Strong dark grey metal Black metal, with COAL Strong grey post Dark grey metal, with	2 12 0 0 0 1 2 0 1 0	1 0 0 1 4 0 0 0 3 4 0	0 5 2 9 0 2 0 0 0 1 4				Grey metal 0 23 COAL 1 82 Grey metal, with post girdles Blue metal, with ironstone girdles COAL Dark grey metal COAL Dark grey metal COAL Dark grey metal COAL Dark grey metal COAL	0 0 0 0 0 0 0	4 3 0 3 1 2 0 2	0 7 1 8 1 8 5 0	1 0	1 4	8
with water White limestone, with black partings White limestone, with brown girdles Blue limestone, with metal partings Mild yellow limestone Strong dark grey metal Black metal, with partings Strong sandstone, with a little water Red metal, with partings Black metal, with partings COAL Strong grey post	2 12 1 0 0 0 1 2 0 1 0	1 0 0 1 4 0 0 0 3 4 0	0 5 2 9 0 2 0 0 0 1 4				Grey metal 1 11 Grey metal 0 23 COAL 1 82 Grey metal, with post girdles Blue metal, with ironstone girdles COAL Dark grey metal COAL Dark grey metal COAL Soft grey metal Soft grey metal Dark grey metal Black metal, with	0 0 0 0 0 0 0	4 3 0 3 1 2 0 2	0 7 1 8 1 8 5 0	1 0	1 4	8
with water White limestone, with black partings White limestone, with brown girdles Blue limestone, with metal partings Mild yellow limestone Strong dark grey metal Black metal, with partings Strong sandstone, with a little water Red metal, with partings Black metal, with your metal, with construction of the same of	2 12 0 0 0 1 2 0 1 0 0	1 0 0 1 4 0 0 0 3 4 0	0 5 2 9 0 2 0 0 0 1 4 0				Grey metal 1 11 Grey metal 0 23 COAL 1 82 Grey metal, with post girdles Blue metal, with ironstone girdles COAL Dark grey metal COAL Dark grey metal COAL Soft grey metal Soft grey metal Dark grey metal Black metal, with	0 0 0 0 0 0 0	4 3 0 3 1 2 0 2 2	0 7 1 8 1 8 5 0	1 0 1	1 4 3	8

^{*} Approximate sea level (Ordnance datum).

No. 1,678.—SEAHAM.—CONTINUED.

10. 1,070.	73. 734 To The Tet To
Brought forward 5 0 2 110 3 6	Brought forward 190 3 4
COAL 1 6	Strong grey metal, with post girdles 5 4 0
Grey metal 0 2½ COAL 2 1	Black metal, mixed with coal 0 2 0
Grey metal 0 4½	Dark grey metal 0 4 5
COAL 0 4	COAL 012
5 4 8	Grey metal 2 2 10
Grey metal, with balls	COAL 0 1 0
of inquestone 1 4 0	Grey metal 0 1 4
Dark grey metal 12 4 5	Grey metal 0 1 4 Grey metal, with post
Grey metal, with balls of ironstone 2 0 6	girdles 3 4 0
COAL 0 1 6 16 2 10	Grev post 3 1 U
	Strong white post, with metal partings 9 3 2
Dark grey metal, mixed with coal 0 3 6	Grey post, with thin
COAL 0 0 7	partings 0 3 0
Soft grey metal 11 0 5	Main Coal Seam—
Dark grey metal 2 0 11	COAL 4 5
Strong grey metal 2 3 0	Grey metal
COAL 0 3 0 16 1 4	band 0 3 COAL 0 9
Grey metal 0 2 0	COAL 0 9 COAL, coarse 0 8
Strong white post,	1 0 1
with water 9 2 0 COAL, splint 0 2 10	White past with motel
10 0 10	White post, with metal partings 2 3 0 Rlack stones 0 2 5
Dark grey metal 1 1 0	Diack stones
Black metal, mixed with coal 1 3 0	Grey metal, with balls of ironstone 3 5 0
Grey metal, with iron-	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
stone girdles 0 5 0 COAL 0 0 7	Maudlin Seam—
COAL 0 0 7 3 3 7	Ft. In.
Grey metal, with post	COAL 1 1
girdles 6 3 2 Black metal, with	Grey metal band 0 3
ironstone girdles 1 1 10	COAL 3 1
Strong grey metal,	0 4 5 8 3 10
with post girdles 17 0 3 Strong white post 1 2 0	Strong grey metal,
Five-Quarter Seam-	with ironstone 9 4 $2\frac{1}{2}$
COAL 0 4	Black metal 0 3 1
Dant band $0 0\frac{1}{2}$	Low Main Seam—
COAL 1 4	COAL Ft. In.
Grey metal band $0 1\frac{1}{2}$	Band 0 $0\frac{1}{2}$
COAL 1 8	COAL 4 0
Grey metal band $0 1\frac{1}{2}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
COAL 0 1½	Grey metal, mixed
Dant band 0 1	with post 4 5 0 COAL 0 1 2
Grey metal	COAL 0 1 2 5 0 2
band 0 8	Dark grey metal,
COAL 0 3 0 5 3	mixed with post 1 1 6 COAL 0 0 4
27 0 6	1 1 10
Carried forward 190 3 4	Carried forward 244 1 8
Consider the man to o t	Current torward wir i o

No. 1,678.—SEAHAM.—CONTINUED.

	Fs. Ft. In. F	s, Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	24	4 1 8	Brought forward 281 2 0
Dark grey metal	$1 \ 5 \ 7\frac{1}{2}$		Thill stone 0 3 0
COAL	$0 \ 0 \ 4\frac{7}{3}$		Black metal, with coal
OORL		2 0 0	
75 7 4 1 241		2 0 0	1 4 4
Dark grey metal, with			
post girdles	$4 \mid 0 \mid 0$		Blue metal partings 0 0 3
Whin	1 1 3		Grey post 0 3 6
Strong grey post, with			Blue stone 1 5 6
metal partings	2 2 2		COAL 0 0 6
Soft blue metal	0 0 2		4 5 9
Hutton Seam— Ft. In			700 110 1
	•		
COAL 3 9			Grey post, mixed with
COAL, bot-			whin 1 0 10
tom 0 11			Blue metal 0 4 6
	0 4 8		Ft. In.
		8 2 3	COAL, with
Grey metal	0 5 0		thin jet bands 1 9
COAL, coarse, with	0 0		Thill stone 5 0
	0 1 5		
slate partings			773 133 / O W
Strong grey metal	1 4 0		Thill stone 0 7
Strong grey post, with			COAL 1 0
metal partings	3 0 10		Thill stone 2 4
Dark grey metal	$0 \ 1 \ 2$		COAL 0 10
Strong grey metal,			2 0 7
with ironstone gir-			4 2 5
dles	1 0 7		0.01
Y33 / 3	0 3 1		
COAL	$0 0 4\frac{1}{2}$	m 4 m1	Filtering white post 3 2 4
701 (1		$7 \ 4 \ 5\frac{1}{2}$	
Blue metal	0 0 6		Busty Seam— Ft. In.
Strong white post,			COAL, with
with metal partings	4 4 4		splint 0 5\frac{1}{3}
Dark blue metal	$0 \cdot 5 6$		CÔAL, coarse,
COAL-Parrot or			with slip-
Cannel Coal	0 1 7		pery part-
		5 5 11	ings at bot-
Black metal, with balls		0 0 11	
	0 0 1		tom 1 8
of ironstone	2 3 1		COAL 0 8
Dark blue post, with			Strong grey •
balls of whin and			bands 0 5
metal	4 0 0		COAL, bright 0 53
White post, with ball			Thill stone 2 0
of whin parting	5 0 0		COAL 0 9
Grey metal			1 0 5
COAL—Harvey Seam			
Tar beg Seam		9 5 91	——————————————————————————————————————
	1	$2 \ 5 \ 8\frac{1}{7}$	Post 0 1 0
0 10			m
Carried forward	28:	1 2 0	Total 299 3 0

SECTION OF BUSTY BANK SEAM, TAKEN SEPTEMBER 24TH, 1856.

					_				
			Fs.	Ft.	In.	Fs.	Ft.	In.	
COAL, splint		 	0	0	6				
COAL, good			0	2	5				
	***	 	U	4	O				
Hard stone band		 	0	0	4				
Soft stone band		 	0	0	2				
COAL, good			0	0	41				
	* * *	 	U	-					
Stone band		 	0	2	2				
COAL			0	0	8				
	•••	 	U	•	O	-	_	- 1	
						1	U	$7\frac{1}{2}$	
						_			
	Total					1	0	71	
	T Out	 • • • •		• • •					

No. 1,679.—SEATON BURN.

TOWNSHIP OF WEETSLADE, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat. 55° 3′ 41'', Long. 1° 37′ 24''.

Strata bored through in Seaton Burn Estate, about 400 yards North of the Farm House by the Turnpike and 300 yards East of Road. February 5th, 1833.

Approximate surface level 225 feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. Soil	Brought forward Grey metal 0 1 6 Grey metal stone and post girdles 1 0 0 Strong white post and water 2 0 7 Whin 0 0 6
Black stone 0 3 4 COAL, foul 0 8 COAL 4 2 COAL, foul, with scares of metal 0 8	Total <u>*29 1 6</u>

^{*} Approximate sea level 49 feet 6 inches below this.

No. 1,680.—SEATON BURN.

TOWNSHIP OF WEETSLADE, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat. 55° 3′ 38″, Long. 1° 37′ 45″.

Sunk at Seaton Burn Colliery, Engine Pit. 1844.

Approximate surface level 218 feet above sea (Ordnance datum).

Strong blue metal 10 1 0 Freestone 4 3 0	Brought forward White thill and post Fs. Ft. In. Fs. Ft. In. 17 4 10
Grey metal ·2 0 10 COAL — High Main	girdles 0 1 6 Dark grey metal and
Seam 1 0 0 17 4 10	post girdle 1 3 6 COAL 0 0 5
Carried forward 17 4 10	Carried forward 1 5 5 17 4 10

No. 1,680.—SEATON BURN.—CONTINUED.

	Fs.	Ft.	In.	Fs. I	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	1	5	5	17	4	10	Brought forward 6 3 11 30 2 5
Black stone	1	0	8				Black stone 0 3 2 COAL and band 0 2 9
(trov post	0	1	6				
White post Dark post White post, with whin	0	4	8				
Dark post	1	2	8				Grey metal 0 1 5
White post, with whin	1	2	3				Post, with partings 10 5 6 COAL and black stone 0 1 0
Blue stone	1	0	8				——————————————————————————————————————
COAL and band	0	9	3				
Grey Seam	U	o	9			_	Dark grey metal 0 4 0
				8	3	1	coal and dark grey
White thill and blue							metal 0 3 10 Post, with metal part-
stone	0	3	3				ings 1 1 9
COAL			6				Grey metal, with black
White shill and post	0		3				stone 0 5 0
Black metal and post							Blue and grey metal
girdle	1	3	8				post, with whin
Grey metal	0	3 1	3				girdles 1 3 10
Blue metal							Whin 0 2 1
COAL - Yard Coal	0	3	0				Blue metal, with whin
				4	0	6	girdles 1 1 10
							Freestone and mussel
Black stone and grey							bed 0 2 2 Blue metal stone, with
metal		1					post and whin gir-
Blue metal	1	2	8				dles 1 3 10
White and black stone	0	4					COAL - Low Main
Blue metal and water	12	2	9			*	Seam 0 3 11
	10	4	4				9 2 3
Carried forward	6	3	11	30	2	5	Total 58 4 5

^{*} Approximate sea level (Ordnance datum).

No. 1,681.—SEATON BURN.

TOWNSHIP OF STANNINGTON, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat. $55^{\circ}~4'~37'',~{\rm Loug.}~1^{\circ}~38'~39''.$

Section of the North Pit. Seaton Burn Colliery.

Approximate surface level 253 feet above sea (Ordnance datum).

Clav					In. Fs. Ft In.		Brough	t for	ward		Ft.		Fs.	Ft.	Iņ.
Clay Post						Post	, with 1								
Whin			0	1	0	in				1	2	0			
Post			2	0	0	Post	;			1	4	0			
Car	ried forw	ard	10	3	0	1	Carried	forw	ard	13	3	0			

No. 1,681.—SEATON BURN.—CONTINUED.

Brought forward 1 Bensham Seam— COAL 0 91 Baud 0 7 COAL 2 0			
Post, with blue part-	2 01 0	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Badger 0 2 COAL, grey 0 3 COAL, good 3 4½
Post, with blue partings Post Whin	$\begin{matrix}1&0\\0&3\\0&3\end{matrix}$	0 0 0 0	10 0 13
Carried forward	6 1	$7\frac{1}{2}$ 14 0 $4\frac{1}{2}$	Total *24 4 0

^{*} Approximate sea level 105 feet below this.

No. 1,682.—SEATON BURN.

TOWNSHIP OF BRENKLEY, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat. 55° 4′ 9", Long. 1° 40′ 27".

Strata bored through in West Brenkley Estate. No. 1 Borehole, about 6 yards from North fence and 22 yards from East fence; near the line of outcrop of the Low Main Coal Seam. November, 1887.

Approximate surface level 208 feet above sea (Ordnance datum).

Clay Black stone band					Fs. Ft. : 2 4 0 0	In. Fs. Ft. In. 0 2 ¹ / ₄	
Low Main Seam—				Ft. In. 0 3		•	
COAL, grey			•••	$\begin{array}{ccc} 0 & 5 \\ 3 & 2 \end{array}$			
Brat (danty band)	,	•••	• • •	$\begin{array}{ccc} 0 & 1 \\ 0 & 3 \end{array}$			
Brat (danty band)	•••	•••	•••	0 1			
COAL	***	•••	***	0 3	0 4	6	
						$-328\frac{1}{4}$	
	Total	•••	- ***	•••	•••	$*3 2 8\frac{1}{4}$	

^{*} Approximate sea level 188 feet below this.

No. 1,683.—SEATON BURN.

TOWNSHIP OF BRENKLEY, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat. 55° 4′ 7″, Long. 1° 40′ 30″.

No. 2 Borehole in West Brenkley Estate, 66 yards from North fence and 103 yards from East fence; South-west from No. 1 Borehole, and supposed to be beyond the line of outcrop of the Low Main Coal Seam. November, 1887.

Approximate surface level 210 feet above sea (Orduanee datum).

Clay COAL Post Blue metal Post Blue metal Ironstone Blue metal			0	4 1 2 2 0 3 0	In. 0 8 9 7 3 9 2 10	Fs. 1	Ft. 5	In. 8	Brought forward Ironstone Blue metal Shell bed Blue metal Ironstone Blue metal	5 0 0 0	$\begin{array}{c} 1 \\ 2 \\ 0 \\ 1 \end{array}$	4 6 3 0 3		Ft. 5	
Carried	l forwa	rd	5	0	4	1	5	8	Total		•••	*	11	3	10

Note.—The Low Main Coal Seam has evidently "cropped out" at some point between No. 1 and No. 2 Boreholes.

No. 1,684.—SEATON BURN.

TOWNSHIP OF BRENKLEY, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat. 55° 4′ 11", Long. 1° 40′ 27",

No. 3 Borehole in West Brenkley Estate, 66 yards North (Magnetic, 1887) from No. 1 Borehole. November, 1887.

Approximate surface level 205 feet above sea (Ordnance datum).

			Fs.		In.	Fs.	Ft.	In.
			1		0			
			0	3	8			
	7.4		0	1	0			
			0	1	0			
			0	0	2			
					_	2	4.	10
			0	3	6	_	_	
***	***	• • •	U	U	J	0	1	3
						·	4	U
. 1						*0	9	1
otal	***					" 3	อ	T
				1 0 0	1 5 5 0 3 0 1 0 1	1 5 0 0 3 8 0 1 0 0 1 0 0 0 2 0 3 6 0 3 6	1 5 0 0 3 8 0 1 0 0 1 0 0 0 2 0 0 2 0 0 9 0 0 9	0 3 8 0 1 0 0 1 0

^{*} Approximate sea level 184 feet below this.

^{*} Approximate sea level 140 feet below this.

No. 1,685.—SEATON BURN.

TOWNSHIP OF BRENKLEY, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat. 55° 4′ 10″, Long. 1° 40′ 27″.

No. 4 Borehole, half-way between No. 1 and No. 3 on North line.

Approximate surface level 207 feet above sea (Ordnauce datum).

Clay Post	•••	 	•••	 	Fs. 1 2 0	1.	0	Fs.	Ft.	In.	
Blue metal		 			ĭ						
23240 2370	•••	 						4	0	0	
		Fotal		 				*4	0	0	

Note.—The Low Main Coal Seam has evidently "cropped out" at some point between No. 1 and No. 4 Boreholes.

* Approximate sea level 183 feet below this.

No. 1,686.—SEATON BURN.

TOWNSHIP OF BRENKLEY, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat. 55° 3′ 56'', Long. 1° 40′ 28''.

Strata sunk through in the Mason Pit, Seaton Burn Colliery, Mason Estate, in the South-west corner of the Second Field North of Gardener's Houses Farm. April, 1888.

Approximate surface level 212 feet above sea (Ordnance datum).

	-				
D1. 1.1	Fs	Ft.	In.	Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brown clay, with	_				Brought forward 3 3 1
boulder stones	1	1	0		Black stone band 0 0 2\frac{1}{3}
Yellow freestone,					Low Main Seam-
mixed with light					
grey post	0	5	0		Ft. In.
Dark blue metal	Õ	9	7		$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Post girdle					COAL, grey 0 3
					COAL 2 9
Light blue metal	0	1	5		Brat (danty
Post girdle	0	0	5		band) 0 2
	0	2	3		COAL 0 6
Shell bed	0	1	7		— 0 3 10l
Ironstone girdle	0	0	3		0 5 104
Light blue metal			4		
Since Michael	0	U	4		
Carried forward	-0	0			
Carried forward	3	3	1		Total *4 1 13

^{*} Approximate sea level 187 feet below this.

No. 1,687.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. $55^{\circ}~4'~57'',~Long.~1^{\circ}~29'~43''.$

Bored in Seaton Delaval Grounds, within the Court. October 5th, 1701.

Approximate surface level 106 feet above sea (Ordnance datum).

Blue metal Black metal	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 0 \\ 0 \\ 0 \\ - \\ \hline 6 \end{array} 8 0 9$		$\begin{array}{ccc}0&3&0\\0&3&0\end{array}$
Carried forward	1 5	3 8 0 9	Total	*16 2 6

^{*} Approximate sea level $7\frac{1}{2}$ feet below this.

No. 1,688.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Stones and Metals in Seaton Delaval Grounds, above the Avenue. 1742.

Approximate surface level feet above sea (Ordnance datum).

Earth						Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
	,	• • • •	9	0	0				Brought forward 27 5 2
Grey meta	I	• • •	0	3	0				Grey stone 0 4 6
Grey post			1	3	0				Grey post 1 2 3
Black ston			1	3	0				Grey metal 0 3 0
Grey meta			0	3	0				Black metal 1 3 0
COAL			0	0	9				COAL 0 0 9
						13	0	9	- 4 1 6
Grey thill			2	0	0				White post 1 0 0
Whin			0	1	0				C
Grey post			4	0	0				William
COAL			ō	ĭ	8				White word
	•••	•••		_	U	6	2	8	Whin
Grey thill			0	3	0	U	4	0	
Blue metal	•••	• • •	2		-				White post 2 0 0
		• • •	-	0	0				Whin 0 3 9
White post			0	3	0				White post 6 0 0
Whin			0	1	6				Whin 0 2 3
White post			1	3	0				Grey stone post, with
Whin			0	1	0				girdles 2 1 6
White post			3	0	0				COAL 0 0 6
Whin			0	1	6				Grey thill 0 1 6
COAL			0	0	9				15 2 9
						8	1	9	10 2 3
	Carrie	ed for	var	ď		27	5	2	Total 47 3 5
		201				-1	3	_	Total 47 3 5

No. 1,689.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.

Long.

Bored in Seaton Delaval Estate, at the Avenue Head.

Approximate surface level feet above sea (Ordnance datum).

	Fs. Ft. In. Fs. Ft. In.		Fs. Ft.			
Box	9 0 0 B	rought forward		28	4	8
Grev metal	0 3 0 Grey s	tone	0 5	0		
Grey stone	1 3 0 Grey p	ost	1 0	3		
Black stone	1 3 0 Grey n		0 3	0		
Grey metal		metal	1 3	0		
COAL	0 1 0 COAL		0 1	0		
	4 1 0			_ 4	0	3
Grey thill	0 3 0 White	post	1 0	0	Ŭ	•
T11 / 1	2 0 0 Grey p		$\stackrel{\cdot}{1}$ $\stackrel{\circ}{3}$	ő		
		1 .	0 2	ő		
White post			0 5	0		
Strong whin	0 2 0 White 1 3 0 Strong					
White post		whin		0		
Strong whin		post	2 0	0		
White post		whin	0 4	0		
Strong whin	0 2 0 White	post	6 0	0		
COAL	0 1 0 Strong	whin	0 3	0		
	9 0 3 Grey s	tone, with post				
Grey thill	2 0 0 gird	les	2 2	0		
Strong whin	0 1 3 COAL		0 0	6		
Grey post	4 0 0			- 15	4	6
COAL	0 2 2 Grey t	hill		0	$\hat{2}$	0
	6 3 5			v	_	•
	0 8 8					
Carried forward	28 4 8	Total		10	5	5
Carried forward	20 4 8 1	Total		48	9	9

No. 1,690.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.

, Long.

Bored in Seaton Delaval Grounds, at Wood Head, near the Burn side. March 13th, 1753.

Approximate surface level feet above sea (Ordnance datum).

Soil 6 1 0 Brown post 6 1 0 Brown post 1 1 0	Brought forward 7 3 0 Grey metal, with post girdles 4 0 0
Carried forward 7 3 0	Carried forward 11 3 0

No. 1,690.—SEATON DELAVAL.—CONTINUED.

Brought forward 11 3 0 Black metal 1 3 0 COAL 0 1 0 13 1 0	Brought forward 7 3 6 13 1 0 White post 3 0 0 Grey metal 0 1 6
Grey metal and thill 0 2 0 Grey post, with metal partings 1 3 0	High Main Seam— Ft. In. COAL 5 0 COAL, with
Brown scamy post 5 0 0 White post 0 3 0 Whin, with water 0 1 6	metal partings 2 0 1 1 0 12 0 0
Carried forward 7 3 6 13 1 0	Total <u>25 1 0</u>

No. 1,691.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. $55^{\circ}~4'~49'',~{\rm Long.}~1^{\circ}~31'~51''.$

Account of the Strata sunk through in the A and B Pits, Seaton Delaval Colliery, from the surface to the High Main Seam.

Approximate surface level 118 feet above sea (Ordnance datum).

0.1.1	Fs.	Ft.	In.	Fs.			Fs. Ft. In. Fs. Ft. In.
Outset		-	H	4	T	8	Brought forward 6 2 8 21 4 5
	3	3	7				Grey metal, with post
Sand, with water		3	0				girdles 2 1 0 COAL 0 0 7
Strong brown clay	6	9	_	10	2	1	
Cuan matal	-0	3		10	Z	1	
Grey metal	2	Э	O				
Brown post, mixed	0	5	1				White post, with partings 1 0 0
with white post			1				Ings 1 0 0 Grey metal 1 5 0
Grey metal, with scamy					_	*	Black metal 1 0 6
post girdles							COAL 0 1 0
Strong grey post	0	0	9				4 3 0
Grey metal, with post	-	-					Grey metal, with post
girdles							girdles 2 0 6
COAL	O	2	4	-	^	0	Strong metal, with
(II) :11			_	7	U	8	post girdles and
Thill		2	0				whin girdles 5 0 0
Grey metal	U	2	8				COAL—High Main
Grey post, with part-	0	0	0				Seam 0 3 3
	0						7 3 9
Strong white post	4	3	0				
Strong white post, mixed with coal							
	0	1	0				
pipes	U	4	U				
Carried forward	6	2	0	21	A	ĸ	Total 42 3 5
Carried forward	0	4	0	21	4	9	10tal 42 5 5

^{*} Approximate sea level (Ordnance datum).

No. 1,692.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4′ 49", Long. 1° 31′ 51".

Boring made from the bottom of the B Pit, below the Low Main-Seam, begun May 1st, and finished July 4th, 1945.

Approximate surface level at top of pit 118 feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In	Fs. Ft. In. Fs. Ft. In.
Grey metal 0 1 5	Brought forward 11 0 5 9 5 1
Black stone 0 0 5	Strong white post 0 1 11
13 0 7 7	3691
Dark grey post, mixed	Grey metal 0 0 9
with partings 1 1 0	Cashy post 0 2 8
Grey metal, with post	Grey metal 0 1 5
girdles 0 3 10	Strong white post 0 3 10
Post girdles 0 0 9	CI THE TANK
0 0 0	
	with partings 0 4 8
Strong post girdle 0 0 4	Grey metal stone,
Grey metal, with post	mixed with post 0 4 11
girdles 0 5 7	Strong grey post 0 1 1
Dark grey metal 0 2 4	Grey metal and post 0 4 4
0 0 10	
	White post 1 0 4
Grey metal stone 0 2 9	Grey metal, with post
Mild white post 0 1 10	girdles 1 0 2
Strong grey post 0 5 5	White post 3 1 2
Dark grey metal 1 2 6	Mild eashy post 0 0 10
Light grey metal 1 5 6	White made
COAL 0 0 8	Davids and the state of the sta
	Dark grey metal 0 0 6
———— 9 5 1	White post 0 4 7
Thill 0 0 3	Strong grey metal
Black stone, mixed	stone, mixed with
with coal 0 0 6	post 0 1 3
Thill 0 0 11	Strong grey post 0 2 6
Grey metal 0 1 7	C4
0 0 10	
	COAL, pipe 0 0 1
Grey metal, with coal	Strong white post 0 2 10
pipes 0 0 4	Sand, wasted away 0 0 6
Grey metal 1 0 0	COAL 0 0 10
Mild grey post 0 3 0	27 3 3
Strong grey metal	Thill
stone, with post	
. 11	Grey metal, mixed with
	post 1 2 11
Strong grey post, with	Dark grey post, with
metal partings 2 2 6	metal partings 0 2 0
Grey metal 0 0 10	Strong white post,
Strong post girdle 0 0 9	with water 2 1 1
Grey metal 0 2 1	Grey metal, mixed
Strong grey post 1 3 7	with next
1171 1	with post 0 2 5
	Post girdle 0 0 9
Grey metal 0 0 4	Grey metal 0 0 2
Seamy post { 0 2 10 *	Post, with water 0 0 6
0 0 4	Whin 0 0 10
White post 0 1 0	White mark
Strong grey metal,	COAL

mixed with post 1 0 4	6 5 11
0-116-117-0-1	-
Carried forward 11 0 5 9 5 1	Carried forward 44 2 3
	20 0

^{*} Approximate sea level (Ordnance datum).

No. 1,692.—SEATON DELAVAL.—CONTINUED.

Brought forward		Ft.					Fs. Ft. In. Fs. Ft. In. Brought forward 1 1 7 44 2 3
Thill Black stone, mixed							Grey post 0 5 5 Grey metal parting 0 0 2
with coal Thill							White post 0 3 11
White post Grey metal, mixed	0						
with post	0	1	0				Total bored below the Low
Carried forward	1	1	7	44	2	3	Main Seam 47 1 4

No. 1,693.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 54° 4′ 50", Long. 1° 31′ 54".

Section of Strata sunk in Lord Hastings' Royalty, C and D Pits, Seaton Delaval Colliery.

Approximate surface level 118 feet above sea (Ordnauce datum.)

Fs. Ft. In. Fs. Ft. In. Fs		
Platform		Fs. Ft. In. Fs. Ft. In.
Mild blue clay 3 0 7 Sand, with water 0 4 0 Strong brown clay 6 4 0 Grey metal 2 4 5 COAL 0 1 0 Thill 0 1 0 Strong white post 0 1 4 Mild cashy post 0 2 2 Grey metal, with post (0 1 11½ girdles 0 0 6½ Mild scamy post 0 0 6½ Mild scamy post (0 0 0 6½ 0 0 0 6½ Thill 0 0 0 6½ Thill 0 0 0 6½ Mild scamy post (0 0 0 6½ 0 0 0 6 Strong white post (0 0 0 6½		
Sand, with water 0		
Strong brown clay 6 4 0 Grey metal 2 4 5 COAL 0 1 0 Thill 0 1 0 Strong white post 0 2 2 Grey metal stone 1 4 4 Strong grey post 0 0 6½ * Sirdles 0 0 6½ * Mild scamy post 0 0 6½ * Thill 0 0 6½ * Thill 0 0 6½ * Thill 0 0 6½ * Mild scamy post 0 0 8 * * * * * * * * * * * * <td< td=""><td></td><td></td></td<>		
Grey metal 2 4 5 COAL 0 1 0 Thill 0 1 0 Strong white post 0 1 4 Mild cashy post 0 2 2 Grey metal stone 1 4 4 Strong grey post 0 3 8 Grey metal, with post (0 1 11½ girdles 0 0 6½ Thill 0 0 7 Grey metal, with post 0 1 11½ girdles 0 0 6½ Thill 0 2 6 COAL 0 2 6 Thill 1 0 3 Mild scamy post 0 5 5 5 2 COAL 0 0 0 8 Thill 0 0 0 10 Mild white post 5 5 5 2 COAL 0 0 0 8 Thill 0 0 0 6 Grey metal stone 1 0 6 Grey metal stone 0 0 0 6 Strong white post 0 5 6 Grey metal 0 0 0 6 Strong white post 0 1 9 Grey metal 0 0 1 19 Grey metal, with post and whin girdles 6 0 9 COAL 0 3 2 Thill 0 3 2 Thill 0 3 3 0 Grey metal stone 5 3 0 Grey scamy post, with metal partings 1 3 0 Whin 0 3 0 Strong grey metal 0 0 0 9 Grey metal 0 0 1 9 Grey metal 0 0 1 19 Grey metal 0 0 0 11 Strong white post 0 1 9 Grey metal 0 0 1 19 Grey metal 0 0 0 11 Thill 1 0 0 0 11		
COAL 0 1 0 Thill 0 1 0 Strong white post 0 1 4 Mild cashy post 0 2 2 Grey metal stone 1 4 4 Strong grey post 0 3 8 Grey metal, with post { 0 1 11½ 1		Thill 0 0 6
Thill 0 1 0 1 0		Grey metal, with post
Thill	COAL 0 1 0	and whin girdles 6 0 9
Strong white post	13 2 0	COAL-High Main
Strong white post 0 1 4 4 Mild cashy post 0 2 2 2 2 2 2 3 5 5 2 5 5 2 5 5 5 5	Thill 0 1 0	
Mild cashy post 0 2 2 Grey metal stone 1 4 4 Strong grey post 0 3 8 Grey metal, with post of the post		
Grey metal stone 1 4 4 Strong grey post 0 3 2 Grey metal, with post { 0 1 11½ girdles 0 0 6½ ** Mild scamy post 0 0 6½ ** Mild scamy post 0 0 7 Grey metal 0 2 6 Thill 0 0 8 Thill 0 0 9 COAL 0 0 6 Strong white post </td <td></td> <td></td>		
Strong grey post 0 3 8 Grey metal, with post { 0 1 11½ girdles { 0 0 6½ } ** Mild scamy post 0 0 0 7 Grey metal 0 0 3 0 Grey scamy post, with metal partings 1 3 0 Whin 0 3 0 Strong grey metal 0 3 0 Strong grey metal stone 12 0 0 Strong grey metal stone 12 0 0 Strong white post 0 0 0 8 Strong white post 0 0 0 8 Grey metal stone 12 0 0 Strong white post 0 0 0 6 Strong white post 0 0 0 1 9 Grey metal 0 1 9 Grey metal 0 1 9 Grey metal 0 0 1 19 Grey metal 0 0 0 11		
Grey metal, with post gridles 0 1 11½ (1½) (1½) (1½) (1½) (1½) (1½) (1½) (Strong grey post 0 3 8	
girdles \(\) 0 6\frac{1}{2} \) ** Mild scamy post 0 0 7 Grey metal 0 2 6 COAL 1 0 3 0 Whin 0 3 0 Strong grey metal 0 3 0 Strong white post 1 0 0 0 Strong white post 0 </td <td>Grey metal, with post (0 1 111)</td> <td></td>	Grey metal, with post (0 1 111)	
Mild scamy post 0 0 7 Grey metal 0 4 0 COAL 0 2 6 Thill 1 0 3 Mild white post 5 5 2 COAL 0 0 8 Thill 0 0 1 Mild scamy post 0 0 1 3 COAL 0 0 9 COAL 0 0 6 Strong white post 0 0 6 Strong white post 0 0 6 Strong white post 0 2 0 Black stone 0 1 9 Grey metal 0 1 9 Grey metal 0 1 9 Grey metal 0 0	girdles 10 0 61 *	
Grey metal 0 4 0 COAL 0 2 6 Thill 1 0 3 0 Mild white post 5 5 2 COAL 0 0 8 Thill 0 0 9 Grey metal 0 0 9 Grey metal 0 0 6 Strong white post 0 2 0 Black stone 0 1 9 Grey metal 0 1 9 Grey metal 0 0 1 Grey metal 0 1		
COAL 0 2 6 Thill 1 0 3 Mild white post 5 5 2 COAL 0 0 9 COAL 0 0 9 Grey metal 0 0 9 Grey metal 0 0 9 Grey metal 0 0 6 Strong white post 0 0 6 Strong white post 0 0 6 Strong white post 0 0 0 6 Strong white post 0 0 0 1 9 Grey metal 0 1 9 </td <td></td> <td></td>		
Thill 1 0 3	0001	
Thill 1 0 3 Mild white post 5 5 2 COAL 0 0 0 8 Thill 0 0 10 Mild seamy post 0 5 6 Grey metal stone 1 0 6 Grey metal stone 1 0 6 Grey metal 0 0 1 9 Grey metal 0 1 1 10 11	, , = 0	
Mild white post 5 5 2 COAL 0 0 8 Thill 0 0 10 6 Mild scamy post 0 5 6 6 Strong white post 0 2 0 Grey metal 0 1 9 Grey metal 0 1 9 Grey metal 0 1 9 Grey metal 0 0 1 Grey metal	FFFF 444	
COAL 0 0 8 Thill 0 0 10 Mild scamy post 0 5 6 Strong white post 0 2 0 Grey metal 0 1 9 Strong thill 0 1 9 COAL 0 0 11 0 0 11 Strong grey post, with partings 1 0 0 1 0 11		
Thill 0 0 10 Mild scamy post 0 5 6 Grey metal stone 1 0 6 COAL 0 0 6 Strong thill 0 1 9 Grey metal 0 1 19 COAL 0 0 11 To 11	2041	
Mild scamy post 0 5 6 Grey metal stone 1 0 6 COAL 0 0 6 Strong thill 0 2 3 Strong grey post, with partings 1 0 0 11 Strong white post Grey metal 0 1 9 COAL 0 0 11	***************************************	
Grey metal stone 1 0 6 COAL 0 0 6 Strong thill 0 2 3 Strong grey post, with partings 1 0 0 11 COAL 0 0 11		
COAL 0 0 6 Strong thill 0 2 3 Strong grey post, with partings 1 0 0		7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Strong thill 0 2 3 Strong grey post, with partings 1 0 0	COAL	
Strong grey post, with partings 1 0 0	0	0011
partings 1 0 0		
		1 0 11
Carried forward $10 3 8 21 5 7\frac{1}{2}$ Carried forward $63 4 7\frac{1}{2}$	partings 1 0 0	
Carried forward 10 3 8 21 5 $7\frac{1}{2}$ Carried forward 63 4 $7\frac{1}{2}$	Cannied fanuard 10 9 9 97 F 71	0 116 1 22 1 71
	Carried forward 10 3 8 21 5 72	Carried forward 63 4 7½

^{*} Approximate sea level (Ordnance datum).

No. 1,693.—SEATON DELAVAL.—CONTINUED.

D 110	Fs.	Ft.	In.				Fs. Ft. In. Fs. Ft. In.
Brought forward				63	4	$7\frac{1}{2}$	Brought forward 8 0 3 73 5 61
Grey scamy post, with							Grey metal 1 4 0
metal partings	0	3	0				Strong white post,
Strong grey metal							hard and coarse 13 3 9
stone	1	2	0			***	Blue metal 0 2 0
Black metal, and iron-							COAL — Hartley
stone girdles	1	3	0				Stone Coal 0 2 0
Thill			Õ				24 0 0
	0	3					Thill 0 1 10
Grey metal	U	U	U				Grey metal 0 3 2
Strong grey post, with	0	0	0				Grey scamy post 0 3 9
metal partings	2	0	0				
Grey metal stone, with	_		_				Grey metal stone, with
post girdles			2				post girdles 1 2 4
COAL-Yard Seam	0	2	9				Blue metal 0 1 6
	-			10	0	11	Grey metal 2 0 0
·Strong white post	0	4	0				Whin , 0 1 0
Strong grey post, with							Grey metal, and post
metal partings	1	0	0				
COAL			8				girdles 0 3 8 Whin 0 1 0 Grey post 0 2 0 Grey metal 0 3 4 Strong white post 0 5 0
Black stone			6				Grev post 0 2 0
Thill	ő	2	6				Grey metal 0 3 4
	U		O				Strong white post 0 5 0
Strong grey metal, with	4	0	0				Strong white post 0 5 0
post girdles			0				7 75 . 0
Strong white post	2	3	0				Low Main Seam—
Grey post, with metal							Jet or black Ft. In.
partings	1	0	0				stone 0 7
Strong grey metal							COAL 2 4
stone	0	1	7				0 2 11
Black stone, mixed							
with coal	0	' 4	0				Thill 0 1 6
				_			
Carried forward	8	0	3	73	5	$6\frac{1}{3}$	Total 106 2 61/2
Carried for ward	U	0	9	.0	U	02	10tal 100 Z 02

No. 1,694.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.

, Long.

Bored from the Yard Seam to the Low Main from the C Pit, Seaton Delaval Colliery.

Approximate surface level feet above sea (Ordnance datum).

Sunk for staple:— Strong thill stone, mixed with post			In. F	s. F	řt.]	In.	Brought forward White post, with metal partings	0	5	8	Fs.	Ft.	In.
Carried forward	0	5	8				Carried forward	1	1	0			

No. 1,694.—SEATON DELAVAL.—CONTINUED.

						1
7 110		Ft. In		Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	1	1 0				Brought forward 21 0 7 Thill 0 1 7
Blue metal	0	0 11				
COAL	0	0 7				COAL 0 0 1
Black stone, mixed	0	2 0	,			0 1 8
with coal	0	2 0				
			1	4	6	
						Thill 0 2 11
						Mild grey post, with
						metal partings 0 3 3
Bored:—						Grey metal 0 4 6
G (1	-	1 11				White post 0 0 4
Grey metal	1	1 11				Whin 0 0 10 Mild grey post 0 1 11
Mild grey post	0	3 0				Tarita Broj Post
Brown post	1	2 5				1 277
White post	0	0 4				111111111111111111111111111111111111111
Blue metal	0					The model in
White post Blue metal	0	0 3				Thirte post in the state of the
Very strong post	0	0 4				
Mild grey post	0	1 1				Grey metal, with post girdles $0 2 3\frac{1}{2}$
Dark grey metal	ő	4 1				1 2 2 1
Black stone, mixed	Ŭ					Grey post 0 2 1 Grey metal 0 1 6
with coal	0	5 11				Blue metal 0 2 6
Grey thill	0	0 6				Blue metal, with post
Post	ŏ	4 (girdles 0 3 6
Grey metal stone, with	_					Strong white post 0 0 6½
post girdles	1	3 4	ŀ			Mild grey post 0 0 11
Post	0	0 8	3			White and grey post,
Scamy post, with metal						with metal partings 1 4 6
partings	0	1 2	3			Whin 0 1 11
Blue metal	0	1 4	b			Mild white post 0 3 9
Grey post	0	1 11				Blue metal 0 1 9
Strong white post	0	1 (
Scamy post	0	2 4				
Strong white post	0	0 6				Low Main Seam—
Strong scamy post	1	0 8				COAL, can- Ft. In.
White post	1	4 3	5			nel, or jet 0 6
Strong post, mixed	_					COAL 2 9
with whin	0	5 4				
Strong white post	2	1 4				 0 3 3
Whin	0	1 (
Blue metal	0	0 1				In thill 0 0 9
Mild grey post, with	0	1 11	1			
metal partings Blue metal	0	$\frac{1}{2} \frac{11}{11}$				
(1)	0	4 (
38117	_	3 6				
Grey metal	0	1 5				
Black stone	0	0 8				
COAL - Stone Coal	0) 3분			
Stone Cour	0	1 (-			
			19	2	1	
					-	
Carried for	war	d	21	0	7	Total below the Yard Seam 30 5 61

No. 1,695.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 5′ 2", Long. 1° 32′ 7".

Bored from the Yard Seam to the Low Main, N. 36½ W. 425 yards from the C Pit, Seaton Delaval Colliery.

Approximate surface level 120 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In	Fs. Ft. In. Fs. Ft. In
Sunk for staple: -	0	_	0				Brought forward 22 4 9
Strong thill stone	0	5	3				Thill, mixed with coal
Post, with metal part-	0	1	6				$\begin{array}{cccccccccccccccccccccccccccccccccccc$
ings	0	1	1				COAL 0 1 10½
Blue metal	0	0	7				0 5 0
Black stone, mixed	U	U	-				mi :11
1.1 2	0	2	0				Thill 0 1 6
with coal	U	2	U				Grey post, with metal
				1	4	5	partings 0 2 1½
							Grey metal stone, with
-							$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Bored:—							
Blue metal stone	0	3	0				Grey post $0 2 2\frac{1}{2}$ Blue metal $0 1 2$
Strong white post	1	0	8				
Whin	0	0	7				Grey metal, with post girdles 0 3 6
Strong white post	0	0	9				Discounting
Grey whin	0	0	6				Grey metal, with post
Strong white post,							girdles 0 2 5
much water	2	3	7				Grey metal 0 3 10
Whin	0	0	9				Post 0 0 3
Blue metal	0	0	9				Grey metal 0 2 7
Black stone, mixed	_						Post girdles 0 0 2
with coal	0	2	8				Grey metal 0 0 11
Thill	0	1	4				Grey post 0 1 3
Black stone, mixed	0	-	_				Grey metal 0 2 1
with coal	0	1	9				Post girdle 0 0 4
Constructed	0	3	5				Grey metal 1 0 2
Mild grey post, with	U	4	U				Grey post 0 3 3
metal partings	0	2	4				Post, with coal pipes 0 0 4
Grey metal	0	5	0				Strong white post 0 1 1
Mild post, with metal	U	U	U				Mild grey post 0 2 11
partings	0	5	0				Blue metal 0 0 2
Strong white post,	v		0				Strong white post 0 2 10
hard and coarse	5	4	71				Mild grey post 0 0 10
Grey metal, with post			. 2				Strong white post 1 0 7
girdles	0	3	1				Whin 0 0 7
Blue metal, with post							Black stone 0 0 2
girdles	0	2	6				COAL — Low Main Seam 0 2 10
Mild white post, with							Seam 0 2 10
coal pipes	0	5	9				9 3 10
Strong white post, with							
whin	3		10			0	
Blue metal	0	1	4				y .
Grey metal	0		10				
COAL—Stone Coal	0	2	3	07	^		
			_	21	0	4	

Total below the Yard Seam 33

Carried forward

No. 1,696.—SEATON DELAVAL.

TOWNSHIP OF EAST SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4′ 52'', Long. 1° 31′ 24''.

Account of a Boring in a Stone Drift in the East side of the Swallow Dene Whin Dyke, Seaton Delaval Colliery. October, 1843. Course by Compass from D Pit to Hole N. $57\frac{1}{4}$ E. $545\frac{1}{2}$ yards.

Approximate surface level 98 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
In post	0	0	3				Brought forward 5 3 4 1 0 7
Blue metal	0	2	8				Strong grey post 0 3 6
Jet	0	0	8				Mild white post and
COAL - Low Main							water 0 1 6
Seam	0	3	0				Strong white post and
				1	0	7	water 1 5 11
Grey thill	0	1	4				Black metal and iron-
Grey metal and post							stone girdles 3 3 7
girdles	4	1	0				Grev post 0 0 5
Blue metal	0	1	0				Grey metal 0 3 10
Strong grey metal							Strong white post 0 2 6
stone and post gir-							Grey scamy post 0 2 2
dles	0	4	9				Strong white post 0 2 9
Strong white post							13 5 6
Carried forward	5	3	4	1	0	7	Total below Low Main 15 0 1

No. 1,697.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4′ 25", Long. 1° 31′ 56".

Bored, in Seaton Delaval Colliery Royalty, the following Holes by John Kettlewell.

No. 1, bored in the North Well Field, Whitridge Farm, about 500 yards S.E.

of Whitridge Farm House. Begun Oct. 24th; ended Dec. 4th, 1837.

Approximate surface level 130 feet above sea (Ordnance datum).

Gravel and sand $\begin{array}{cccccccccccccccccccccccccccccccccccc$	Brought forward Brought forward Fs. Ft. In. Fs. Ft. In. 13 3 0 Light grey post, with
Clay 2 1 0 Sand 0 3 6 Strong blue clay, mixed	partings 1 0 1 Yellow and grey free- stone, mixed 0 2 6
with freestone 8 1 6 13 3 0	(frey post 0 1 3
Carried forward 13 3 0	Carried forward 1 3 10 13 3 0

No. 1,697.—SEATON DELAVAL.—CONTINUED.

Brought forward 1 3 10 13 3 0 Grey metal stone 0 3 0 Dark grey post 0 3 7 Strong white post, with metal partings 0 4 7 Grey metal 1 4 9 COAL 0 2 2 Thill 1 1 1 1 Grey metal, with post (1 2 0	
Metal partings	
Thill 1 1 1 stone girdles 1 2 4 COAL 0 0 4	
Thill 1 1 1	
* Grey metal 1 4 0	7
White post, with metal Whin partings 150 Strong white post	
Whin 0 2 8 Grey post 1 1 5 Grey post 1 2 5 Grey post 0 2 8 Grey post 0 2 8 Grey post 0 3 8	
Grey metal, with post Mild grey post, with	8
girdles 1 2 2 Strong white post 0 2 9 Grey metal 0 0 10	
Grey metal 1 0 4 COAL 3 0 Grey metal band 0 3	
Thill 0 1 5 2	
Carried forward 1 0 5 28 2 8 Total 40 1	_

^{*} Approximate sea level (Ordnance datum).

No. 1,698.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4′ 47", Long. 1° 31′ 35".

No. 2, bored in the Sore Field, Whitridge Farm, near the bottom of the field. Begun Nov. 28th, and ended Nov. 30th, 1837.

Approximate surface level 110 feet above sea (Ordnance datum).

				Fs.	Ft.	In.	Fs.	Ft.	In.
Soil		 	 	 0	0	8			
Stony clay		 	 	 1	2	0			
Fine clay		 	 	 0	3	2			
Sand, with w	ater	 	 	 0	0	3			
Sandy clay		 	 	 0	2	7			
Loam		 	 	 0	2	10			
Stony clay		 	 	 2	1.	8			
Blue metal		 	 	 0	3	0			
							5	4	2
							_		
		Total	 				*5	4	2

^{*} Approximate sea level 76 feet below this.

No. 1,699.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4′ 57", Long. 1° 31′ 19".

No. 3, bored in the Thistle Field, being the Easternmost in Whitridge Farm, about 200 yards east from the west hedge, and within 4 yards of the north hedge.

Begun Nov. 30th, and ended Dec. 29th, 1837.

Approximate surface level 95 feet above sea (Ordnance datum).

Soil	Brought forward Fs. Ft. In. Fs. Ft. In. Thill 18 0 7
Mild scamy post 0 3 4 Mild white post 0 3 1 Grey metal, with scamy post girdles 1 3 5 COAL 0 2 5	Grey metal 1 1 0 Whin 0 0 6 Strong white post 0 0 10 Scamy post 0 5 11 Whin 0 3 6 Mild white post 1 1 8
Thill 0 0 6 Grey metal 0 4 6 COAL 0 0 3 Thill 0 2 10 Strong white post,	Grey metal band 0 7 COAL 1 11 Grey metal band 0 7 COAL 1 0 1 COAL 0 1 COAL 0 6
with partings 2 0 1 Brown post, mixed with yellow post 1 5 1 Strong white post, mixed with whin 2 2 9 Strong white post, mixed with yellow post 4 0 0 6 1 0 1	Grey metal band 0 2 COAL 0 5
Scamy post 0 2 6 Blue metal 0 4 3 COAL 0 0 9	Total 31 0 7
Carried forward 18 0 7	Total <u>31 0 7</u>

^{*} Approximate sea level (Ordnance datum).

No. 1,700.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 5′ 18″, Long. 1° 32′ 29″.

No. 4, bored in the Low Pasture Field, North Moor Farm, at the N.E. angle of the said field, and 450 yards direct East of the North Moor Farm House. Begun Jan. 1st, and ended 16th, 1838.

Approximate surface level 125 feet above sea (Ordnance datum).

	The state of the s
Fs. Ft. In. Fs. Ft. In. Stony clay 1 3 2	Fs. Ft. In. Fs. Ft. In. Brought forward 15 1 2
Sand 0 0 3	Grey metal stone 0 4 9
Fine clay 1 3 7	COAL 0 1 11
Sand, with water 0 3 1	 16 1 10
Fine clay 0 2 6	Thill 0 2 0
Fine clay 0 2 0	
Stony clay 9 0 4	Grey metal 0 1 3
Grey metal 1 3 9	Yellow post, mixed
Yellow post, mixed	with grey post 1 4 10
with grey post 0 2 6	Strong white post 0 1 0
8-71	2 3 1
Carried forward 15 1 2	Total <u>*18 4 11</u>

^{*} Approximate sea level 12 feet below this.

No. 1,701.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 5′ 18″, Long. 1° 32′ 21″.

No. 5, bored in the North Centre Bit Field, North Moor Farm, about 105 yards from the West Hedge and 600 yards direct East of the North Moor Farm House, also six ridges from the North Hedge in the Centre Bit Field. Begun January 17th, and ended February 17th, 1838.

Approximate surface level 120 feet above sea (Ordnance datum).

						1
				Fs.	Ft. In.	Fs. Ft. In. Fs. Ft. In.
Stony clay	2	4	9			Brought forward 12 3 6
Sandy loam	0	2	9			Whin 0 1 2
Clay	0	0	6			Strong grey post 0 1 6
Sand, with water						Brown post, mixed
Stony clay	4	3	9			with yellow post 2 5 8
Sand	0	0	4			White post, with part-
Brown clay, mixed						ings (water gone) 1 1 0
with sand	3	0	1			Whin 0 1 6
Sand	0	1	8			Grey post, with part-
Sandy clay	0	1	8			ings 1 5 3
Strong yellow post	0	3	4			(0 4 5
						Mild white post $\frac{0}{2}$ $\frac{4}{5}$ *
						(2 0 5
Carried forward	12	3	6			Carried forward 22 0 5
			-			Curricu Iornard 22 0 9

^{*} Approximate sea level (Ordnance datum).

No. 1,701.—SEATON DELAVAL.—CONTINUED.

Fs. Ft. In. Fs. Ft. In	Brought forward Fs. Ft. In. Fs. Ft. In. 32 0 8
Brought forward 22 0 5	
White post, mixed	Thill 0 1 2 Black metal 0 2 7
with coal pipes 0 1 0	
White post 0 5 6	COAL 0 0 4
Cashy post 0 1 6	0 4 1
COAL 0 0 3½	Grey metal 0 1 4
23 2 81	Blue metal 0 2 6
(FI.1)	Grey metal 0 2 10
0 4 01	COAL 0 0 10
	1 1 6
Strong white post, with	
partings 0 3 8	Thill 0 2 5
Grey metal 0 2 3	Grey metal 2 4 4
Blue metal 0 3 0	Grey metal, with scamy
Grey metal 1 5 5	post girdles 0 3 5
Black metal 2 1 11	Grey post, with part-
Grey metal 0 2 0	ings 0 1 9
Blue metal 0 2 6	Grey metal stone 0 5 2
0 4 5	——————————————————————————————————————
COAL 0 2 1	
$\frac{}{}$ 8 3 11 $\frac{1}{2}$	
Carried forward 32 0 8	Total 38 5 4

N.B.—This hole was here abandoned, having evidently for the last few fathoms been in the gullet of a dyke, or some derangement of that sort.

No. 1,702.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 49", Long. 1° 31' 52".

No. 6, bored in Whitridge Farm, 154 yards East from the West Hedge of the Grey Field and 88 yards North from the South Hedge. Begun February 21st and ended March 21st, 1838.

Approximate surface level 118 feet above sea (Ordnance datum).

				Fs. Ft. In.	1			Fs.	Ft.	In.	Fs.	Ft.	In.
Stony elay	1	0	7		Brougl	it for	rward						
Loamy clay	1	0	0		Strong grey	post		0	0	8			
Sand	0	1	0		Grey metal								
Loamy clay	1	0	0		White post								
Sand, with water	0	3	6		Grey metal	stone		0	5	4.			
Stony clay	6	3	0		COAL			Ō					
	2					•••					17	2	7
Brown and white post	0	5			Thill			0	3	0		_	•
Grey metal, with scamy	Ť	Ŭ	_		Grey metal			ő					
	1	5	9		Grey post,			U	~	U			
Trans Braces 111			·		ings	*****		0	9	9			
					Ing.	•••	•••	0	4	9			
Carried forward	15	4	5		Carried	l form	buon	1	1	0	17	2	7
Carriou forward	TO	*3!	J		Carriec	r TOL	varu	1	1	9	17	2	1
											T		

No. 1,702.—SEATON DELAVAL.—CONTINUED.

Fs. F	t. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 1 1	1 9 17 2 7	Brought forward 2 0 8 26 1 2
Whin 0 0	0 4 BI	ue metal 0 4 0
White post, with eashy (0		rey metal, with post
partings 1		girdles 0 3 0
		girdles 0 3 0 ack metal 1 1 7
Corong wared post w	1 1	ey metal 1 0 0
Grey post, with part-		rey metal, with post
ings 1 (ey metal, with post
White post, with coal		girdles 0 3 2 rey post 0 0 6
pipes 0 (
Strong grey post 0	1 /	hin 0 0 6
White post, with coal	Gi	ey metal, with post
pipes 0 1	1 2	girdles 0 1 10
COAL 0	0 8 W	hiu 0 0 5
OOAL 0 0	6 3 3 St	rong grey metal
O	0 0	stone, with post gir-
Grey metal 0		dles 5 0 10
	1 0	
Grey metal, with post	H	igh Main Seam—
girdles 1 8	3 1	Ft. In.
COAL 0 (COAL 3 6
	2 1 4	Metal band 0 4
Thill 0 0	0 6	COAL 1 4
	2 0	Metal band 0 8
White post, with part-		COAL 0 4
	3 8	1 0 2
TTT1 :	0 11	12 4 8
Cashy post and metal		
partings 0 1		
Grey metal 0 8	3 11	
-		
Carried forward 2 (0 8 26 1 2	Total 39 0 0

^{*} Approximate sea level (Ordnance datum).

No. 1,703.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4′ 52", Long. 1° 31′ 35".

No. 7, bored in the Sore Field, about 150 yards direct North of Hole No. 2. On this Hole the Engine Pit is intended to be sunk. Begun March 26th; ended April 3rd, 1838.

Approximate surface level 102 feet above sea (Ordnance datum).

Mild brown clay, with stones 2 5 0 Strong brown clay, with stones 1 5 0	Brought forward 5 1 0 Grey metal, mixed with coal 0 1 6
with stones \dots 1 5 0 Dry sandy clay \dots 0 3 0 Carried forward $\overline{5}$ 1 0	Grey metal 0 1 6 Cashy post, with metal partings 0 2 3 Carried forward 6 0 3

No. 1,703.—SEATON DELAVAL.—CONTINUED.

Brought forward				Fs.	Ft.	In.	Brought forward 2 0 6 7 5 5
Mild white post, with partings							COAL 1 9
Mild white post, with coal pipes	0	1	0				Grey metal band 0 1
Mild white post	0	1	6				COAL 0 6
Strong white post COAL	0	3 2	3				0 2 4 $$ 2 2 10
Thill				7	5	5	Thill, mixed with iron- stone girdles 0 3 6
Cashy post							Grey metal stone, with
Grey metal, with cashy post girdles	0	4	6				post girdles 0 3 0 Strong white post,
Grey metal stone, with							mixed with whin 0 2 6
post girdles	1	U	n				Cashy post 0 0 6 Whin 0 0 5
							1.311
Carried forward	2	0	6	7	5	5	Total <u>*12 0 2</u>

^{*} Approximate sea level (Ordnance datum).

No. 1,704.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4′ 50", Long. 1° 31′ 47".

No. 8, bored in the Grey Field, Whitridge Farm, about four chains East of No. 6 Hole. Begun April 4th and ended April 12th, 1838.

Approximate surface level 118 feet above sea (Ordnance datum).

	Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Sand and gravel		Brought forward 2 4 7 9 5 11
Strong brown clay,		Grey metal, mixed
with stones	0 1 6	with cashy post 1 0 0
Sandy loam	0 3 7	Cashy post, with metal
Sandy clay	1 3 5	partings 1 0 6
Sand	0 2 8	Broken post, mixed
Sandy loam		with post 0 0 4
Strong brown clay,	0 1 0	Strong grey metal
with stones	5 0 7	stone1 2 1
Brown clay, mixed	0 0 1	
	0 0 6	Broken post 0 2 8
	0 0 6	Mild cashy post, with
Blue metal	0 2 9	metal partings 0 5 10
COAL		COAL 0 2 3
PHI	9 5 11	8 0 3
	0 3 0	Thill 0 0 8
Grey metal	2 1 7	·
Carried forward	2 4 7 9 5 11	Total *18 0 10
	* 4 1-	100 411 1 411

^{*} Approximate sea level 9 feet below this.

No. 1,705.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

No 9, bored in the North-west corner of Make-me-Rich Field, Fryer's Letch, 1\frac{1}{4} miles
North from C and D Pits, by Wm. Coulson. Begun May 19th
and ended October 19th, 1843.

Approximate surface level feet above sea (Ordnance datum).

Approximate surface level	Teet above sea (Ordinance datedin).
Fs. Ft. In. Fs. Ft. In	Fs. Ft. In. Fs. Ft. In.
Strong blue clay, with	Brought forward 9 1 10 57 0 0
sandy partings and	Strong white post, with whin and water 1 1 0
water 5 4 0	Grey scamy post 1 0 0
Grey metal, with post girdles 4 1 9	Black metal, with coal 0 2 6
COAL, foul, with	Grey metal 1 0 8
water 0 0 3	Strong white post,
Grey metal, with post	with whin girdles,
girdles 7 4 0	metal partings, and water 13 2 5
Dark grey metal 1 3 0	Strong grey metal
COAL 0 0 6	
Grey and dark metal,	Grey metal 0 4 6
with scares of coal 2 2 10	Ft. In.
COAL, with water 0 2 1	COAL, slaty 0 6
2 4 1	1 COAL 1 5 0 1 11
Dark grey metal, mixed with coal 0 4 6	27 5 10
Strong grey metal,	Strong grey metal 0 1 1
with whin girdles	Strong white post 0 3 10
and water 9 2 5	Strong grey metal and
Grey post, with metal	ironstone girdles 0 4 5
partings and water 10 5 4 Grey metal stone 1 2 10	COAL, foul Ft. In. brassy 0 3
Grey post, with water 1 4 0	Grey metal 0 11
Grey metal 0 4 0	COAL 1 0
COAL 0 0 7	0 2 2
	8 Grev metal 1 0 5
Grey metal 0 1 4 Black metal 0 2 2	Grey metal 1 0 5 Strong white post and
Grey metal, mixed	metal partings 0 3 5
with coal 3 3 4	Grey metal 1 0 2
Strong white post,	Whin 0 0 8
with metal partings 5 2 4	Grey metal 1 2 4 COAL. foul slaty 0 1 1
COAL—Yard Seam 0 2 9 ———— 9 5 1	
Strong grey metal 0 3 5	Grey metal 0 5 6
Hard white post 0 2 8	Grey scamy post 0 2 7
Grey metal stone, with	Strong grey metal and
post girdles 2 5 7	post girdles 1 2 1
Mild white post 0 4 10 Black metal, mixed	Low Main Seam— Ft. In.
with coal 0 1 11	COAL, slaty—
Grey metal stone 2 5 0	Cannel Coal 0 6
Whin girdle 0 2 5	COAL, strong,
Grey metal stone, in-	without any parting 4 10½
clining to post 1 0 0	$\frac{10^{2}}{} 0 5 4^{\frac{1}{2}}$
	$\frac{}{}$ 3 3 $6\frac{1}{2}$
Carried 6 3 10 FF 0	0 0 4 111
Carried forward 9 1 10 57 0	0 Total $94 \ 4 \ 11\frac{1}{2}$

Note.—Relief Pit sunk on this hole to Yard Seam.

No. 1,706.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4′ 52'', Long. 1° 31' 35''.

Sunk in the Engine Pit, Seaton Delaval Colliery. May 10th, 1838.

Approximate surface level 102 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft. In.	
Outset		0	0				Brought forward	4	5	0	27	0 6	
Mild brown clay	2	5	0				High Main Seam— Ft. In.						
Strong brown clay,	0	9	0				COAL 0 6						
with stones	2	2	0				COAL 0 8						
Grey metal, mixed	0	1	6				COAL 4 8						
with coal Grey metal	0	1	6				COAL 0 10						
Mild scamy post, with	U	1	U					1	0	8			
parting	1	2	2								5	5 8	
Strong grey post	ō	3	0				Black band	0	0	3			
COAL	0	2	3				Grey metal band	0	0	5			
				8	5	5	COAL 2 2						
				O	U	J	Grey metal band 0 9						
Grey metal, with cashy		_	_				COAL 1 3						
post girdles	2	0	0				1 0	0	4	2			
COAL 1 8											0	4 10	
COAL 1 8 Band 0 1							Thill	0	0	6	-		
COAL 0 9							Grey metal stone	5	4	4			
0 3	0	2	6				Scamy post	3	0	0			
	U	4	O				Strong grey metal						
				2	2	6	stone	4	0	0			
Thill, mixed with iron-							Scamy post, with metal						
stone balls	0	5	7				partings	2	1	0			
Strong white post	0	2	0				Grey Seam— Ft. In.						
Cashy post	0	0	6				Grey metal						
Whin	0	0	6				band 0 3						
White post, mixed	,	_					COAL 2 6					_	
with yellow post	4	-	0					1	0	0			
White post, with (0	1	6			*					15	5 10	
	2	4	6				Mild white post	0	3	0		0 =0	
White post, mixed	0	0	0				Grey scamy post	0	2	0			
with coal pipes Plum pudding post		$\frac{3}{1}$	0				Strong grey metal						
Cashy post	-	0	0				stone, with post	1	1	0			
Grey metal		3	3				Mild white post	0	1	0			
COAL	_	0	-				Strong grey metal						
				10	1	0	stone, mixed with	1	0	10			
****			_	10	4	9	post and ironstone	1		10			
Thill	0	1	0				Strong white post Grey scamy post	0	3	$\frac{2}{6}$			
Scamy post, with eashy	-	_	_				Strong grey post,	U	J	O			
partings and water		2	5				mixed with iron-						
Grey metal Black stone		5	5				stone girdles	1	0	2			
COAL	0	$\frac{2}{1}$	0				Mild dark grey metal,	_	Ŭ	_			
COAL	U	1	U				mixed with post and						
			-	4	5	10	ironstone girdles	0	3	0			
Strong thill stone	1	0	0				Black stone or metal	0	_	0			
Grey metal stone	2	3	0				Thill	0	1	0			
White post, mixed							Grey metal	0	0	11			
with grey post	1	2	0				Grey metal, with post	0					
							girdles	0	3	0			
Carried forward	4	5	0	27	0	6	Carried forward	7	0	77	49	4 10	
					9	9	Carried torward	-	U	1	49	4 10	

^{*} Approximate sea level (Ordnance datum).

No. 1,706.—SEATON DELAVAL.—CONTINUED.

Tre	Ft. In. Fs. Ft. In.		Fs. F	t. In.	Fs.	Ft.	In.
		Brought forward	20 !	5 9	64	2	3
201018					-		•
Whin 0	1 0	Grey scamy post	0 (9			
	2 0	Grey metal	0 8	3 6			
Citcy income became	2 0						
Grey post girdles,		COAL—Hartley					
with metal partings 1	2 0	Stone Coal	0 2	2 0			
	2 0		-0		21	1	O
Blue metal, with iron-					41	т	9
stone girdles 0	5 0	Thill stone	0	0			
0	0 0		^ 6	3 7			
Grey scamy post gir-							
dles, with metal		Grey scamy post	1 2	2 10			
	3 11	Blue metal	1 (0 0			
Whin 0	1 0	Grey metal stone	3 (, 1			
		Strong grey post, with					
Strong grey metal	~ ^		1 :	1 0			
stone 0	5 0	partings	1 .	1 0			
Blue metal, with iron-		Blue metal, with iron-					
	4 0		0 :	2 3			
stone girdles 0	4 0	stone girdles	-				
COAL-Yard Seam 0	3 1	Black thill	0 (0 9			
20712 2070 1000110	13 3 7	COAL - Low Main					
			0 (2 0			
Thill 0	3 10	Seam	0 7	2 6			
F1 - T					8	1	6
Ft. In.					_	_	Ŭ
COAL 0 6							
Black thill 0 6					93	5	6
		Stant fourthon for					
COAL 1 0		Sunk further for					
0	2 0	Sump:—					
· ·			1	1 0			
Strong thill stone 0	1 0	Grey metal	1 :	3 0			
		Grey metal, with post					
Mild white post, with			^				
partings 2	0 3	girdles	0	4 0			
Strong white post 1	2 7	White post, with me-					
			0	0			
Dark grey post 1	1 7	tal partings					
Black stone, mixed		Blue metal	0	0 6			
	A =			1 6			
with coal 0		Strong white post	T	1 0			
Thill 0	1 0	Strong white post,					*
	5 2	with coal pipes	0	4 0			
	0 4		U	1 0			
Strong white post,		Blue metal, with gir-					
very hard and coarse 12	1 6	dles	4	0 4			
	1 0			-			
Plum pudding or Mag-		COAL		0 2			
gie nost.	1 6	Strong grey metal	0	2 0			
gie post 0	0 0	Strong groj motar	~	_	11	1	6
Grey metal 0	0 6				11	4	6
Carried forward 20							0
	5 9 64 2 3	Total			105	4	
Carried forward 20	5 9 64 2 3	Total			105	4	
Carried forward 20	5 9 64 2 3	Total	•		105	4	

No. 1,707.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.

, Long.

Sunk and bored from the Low Main Seam, Two Pillars West of the Engine Pit, Seaton Delaval Colliery.

Approximate surface level feet above sea (Ordnance datum).

Sunk for Staple, Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In. Brought forward 1 1 10
water level drift:— Grey thill 1 1 10	Grey metal, mixed with post girdles 2 1 3
Carried forward 1 1 10	Carried forward 3 3 1

No. 1,707.—SEATON DELAVAL.—CONTINUED.

Brought forward 3 3 1	Brought forward Fs. Ft. In. Fs. Ft. In. 11 5 0
Grey post, with metal partings 1 0 7 Strong white post 3 3 0	Bored further:— Blue metal 1 4 8 White post 0 2 9 Grey scamp post 4 0 1
Blue metal, with iron- stone girdles 3 4 4	Grey scamy post 4 0 1 — 6 1 6
1	0)
Carried forward 11 5 0	Total <u>18 0 6</u>

N.B.—The stone drift to engine is 10 fms. 4 ft. 4 ins. below Low Main Seam.

No. 1,708.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. $54^{\circ} 4' 52''$, Long. $1^{\circ} 31' 56''$.

Account of Strata sunk through in the E and F Pits, Seaton Delaval Colliery, from the surface to the Yard Coal Seam.

Approximate surface level 110 feet above sea (Ordnance datum).

Outset Fs. Ft. In. Fs. Ft. In. 4 1 8	Brought forward Fs. Ft. In. Fs. Ft. In. 31 1 10
Mild brown clay 2 4 0	
Sand, with water 0 5 3	l Cu
0 0 0	
Grey metal 0 3 0	
D 1	
0.0.11	
	4 3 2
(III.:11) O 1 O	Thill 0 2 0
11111 0 1 0	Grey metal 0 3 0
Wild grey post	Whin 0 2 6
0 1 7	Strong grey metal,
Grey metal 1 3 4	with ironstone gir-
Grey metal 1 3 4 Grey scamy post 0 1 7 Grey metal 0 5 6	dles 4 1 2
	COAL 0 3 0
COAL 0 2 6	5 5 8
4 3 11	Black stone, mixed
Grey metal 0 5 1) • (T) T
White post, with water 5 4 6	701 111
COAL 0 0 6	G
6 4 1	Grey metal stone 5 2 3 Grey metal and post
Thill 0 1 6	
Mild cashy post 1 3 0	
Whin 0 3 0	COAL—Grey Seam 0 0 3
Grey metal 0 3 0	OTE Grey Seam 0 0 3
COAL 0 0 9	20 4 10
2 5 3	
Carried forward 31 1 10	Carried forward 62 3 6
	02 0 0

^{*} Approximate sea level (Ordnance datum).

No. 1,708.—SEATON DELAVAL.—CONTINUED.

					Ft.		Fs. Ft. In. Fs. Ft.	
Brought forward				62	3	6	Brought forward 5 4 0 62 3	6
Thill	0	1	4				Strong grey post 1 2 0	
Strong white post							Grey post, with metal	
Grey metal, with water	ñ	ñ	9				partings 1 3 0	
Grey metal, with water	0	0	e o				Whin 0 5 0	
Strong with post	U	3	5					
Whin	0	1	5				Blue metal, with whin	
Grey scamy post, with							girdles 0 1 4	
partings	1	1	0				Grey metal stone, with	
Grey metal stone	1	4	0				post girdles 0 5 6	
Blue metal	ñ	1	3				Strong blue metal	
	U	1	o					
Black stone, with iron-	_		_				stone 1 0 9	
stone girdles	0	4	0				COAL — Yard Coal	
Thill	0	1	6				Seam 0 2 9	
Grey metal	0	2	6				12 0	4.
0.000								-
0 116 1	_	4	_	00	0	_	M.4.1	10
Carried forward	9	4	U	02	3	6	Total 74 3	10

No. 1,709.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 73 of Ordnance Map. Lat. 55° 6′ 53", Long. 1° 32′ 35".

Account of Strata sunk through at the Forster Pit, Seaton Delaval. May 11th, 1859 to 1860.

Approximate surface level 75 feet above sea (Ordnance datum).

Soil	Fs. Ft. In. Fs. Ft. In.	Brought forward Fs. Ft. In	. Fs. Ft. In.
	T 1		
Coarse brown clay		Seggar clay 0 4 0	
Fine brown clay	1 3 0	Post girdle 0 0 10	
Coarse stony blue clay	2 3 0	Blue metal $\left\{\begin{array}{cc} 0 & 2 & 4 \\ \end{array}\right.$	
Fine fire clay	0 5 0	0 0 8	*
Scamy post girdles	0 0 11	Cashy post 0 2 5	
Blue metal	0 1 4	Whin girdle 0 1 0	
Post girdle	0 1 3	Di a a a	
Blue metal	0 0 6	COAL	
Post girdle	0 0 7	COAL 0 0 5	
T)1 / 1	0 2 0		2 3 5
COAL	0 1 1	Strong thill 0 3 5	
COAL		Seggar clay 0 3 2	
em 111	7 3 8	Grey post 2 0 5	
Thill	0 4 0		
Grey metal	0 2 8 0 2 6	Grey metal 2 5 6	
Post girdle	0 2 6	Ft. In.	
Strong grey metal	0 1 4	COAL .:. 1 61	
Post girdle	0 2 3	Band 0 2	
Blue metal	1 2 7	COAL 1 61	
COAL	0 0 6	- 0 3 3	
	3 3 10	0 0 0	6 3 9
	0 0 10		6 3 9
Carried for	ward 11 1 6	C	00 0 0
Carried for	walu II I 0	Carried forward	20 2 8

^{*} Approximate sea level (Ordnance datum).

No. 1,709.—SEATON DELAVAL.—CONTINUED.

	Fs.	Ft. In.				Ryonght forward	Fs.	Ft. I	In. Fs.		In.
Brought forward	0	£ 10	20	2	8	Brought forward White post (crib bed)	0	4	0 67	0	7
Soft thill stone	0	5 10				Grey metal	0	5	0		
Strong stone, with	0	5 8				Grey metal White post	1	4	0		
ironstone balls	0	3 10				Blue metal, with post	-	_	•		
Grey metal Grey post	0	2 0				girdles	1	1	0		
Grey post Blue metal	ŏ	0 10				Black metal, very	_	_			
Post girdle		0 11				jointy	1	5	6		
Blue metal		0 2				White post, mixed					
	0	0 6				with whin	1	4	6		
Post girdle Blue metal		0 10				Blue metal and post					
COAL	0	1 1				girdle	1	3	6		
			3	3	8	White post, mixed					
Post girdle	0	0 2				with whin	3	5	10		
Blue metal	0	0 2				Blue metal	0	1 :	10		
White post, whin 9 ft.						COAL—Yard Seam	0	3	4		
three parts round pit	2	5 0							— 1 4	2	6
Strong white post	1	3 0				Seggar clay Grey metal, the bot-	0	3	0		
Blue metal	0	0 8				Grey metal, the bot-					
White post	0	1 0				tom mixed with post	0	_	^		
Black stone, with post						girdles	3	0	0		
girdle	0	4 5				COAL	0	1	2		
Grey metal, with post	~	4 0			- 1	Char matal		7		3 4	2
girdle	2	4 0				Grey metal	5	1	7		
Mussel bed	0	2 0				COAL — Bensham Seam	0	0	11		
Black stone	1	0 0				Seam	0	4	11	5 4	c
COAL	0	1 2	0	9	P	Slaty band	0	0	11	9 4	6
7: 7 4		9.10	9	3	7	Black metal, mixed	U	U	11		
Dark post Blue metal	2	3 10				with post	0	0	6		
	1	4 0				Strong white post	2	2	2		
High Main Seam— Ft. In.						COAL	0	$\bar{2}$	4		
COAL, good 0 6										2 5	11
Splint 0 4						Grey metal	1	0	0		
COAL, good 1 6						Post girdles and metal		_			
Band 0 2						partings	2	1	0		
COAL, good 1 8						Blue metal, with iron					
	0	4 2				girdles	1	4	10		
			5	0	0	COAL	0	0	5		
Grey thill	3	3 0								5 0	3
Grey metal	3	4 10)			Post girdles, with					
Whin, 14 ft. on one						metal partings			2		
side and 5 ft. on the	_					COAL	0	1	4		
other side of pit	5	2 2	,			Strong dark grey metal			0		
Grey post, with metal	,_	9 6				Strong white post			0		
partings	5	2 2	4			Whin girdle			6		
White post, walled	0	1 0	`			Strong white post	1		6		
3 ft. in	0	4 0				Whin girdle	0	1	0		
Black stone	0	Ð 4	E			Strong white post,		0	1		
Grey post, with blue	3	2 6	3			with whin balls			4		
and yellow balls	o	4 (,			Mussel bed	0		$1\frac{1}{2} \\ 1\frac{1}{2}$		
Grey post, strong and coarse	1	5 8	3			COAL		U	12	6 4	1 1
COAL	0		3			Grov motel with nost				0 4	E I
COAL	_		- 25	5	4	Grey metal, with post		4	2		
Grey thill	0		2	0		girdle	_	_	ő		
		- '	_			White post White post	_		0		
Post girdle, with metal			_			Whin	_				
Post girdle, with metal		0 10	0			White post			O		
partings	2					with post	0		0		
				3	4	Dark grey metal			0		
partings	2		4	3		Dark grey metal	0	1	0		
partings	0	0	4			with post		1	0	105	4 0

No. 1,709.—SEATON DELAVAL.—CONTINUED.

Brought forward 4 5 2 105 4 0 White post 0 2 10 Dark grey metal 0 1 0 Strong white post 2 3 3 Low Main Seam— COAL, grey 0 42 COAL, good 3 32 Parting.	Brought forward 1 1 9 116 0 2 Dark grey metal, with post girdle 0 5 5 5 Mussel bed 0 0 4 Dark grey metal 2 1 10 Mussel bed 0 0 2 Soft dark grey metal, with post girdles 0 4 10 Soft grey metal 0 1 6
COAL, good 1 7 Parting. COAL, good 0 6	Plessy Seam— COAL 1 2 Band 0 1 COAL 1 3 Band 0 3 COAL 0 9 Band 0 1 COAL 2 0
black stone 0 3 0 Dark grey metal 0 4 10 COAL 0 0 4 Strong grey metal, with post girdle 1 1 5 Whin girdle 0 0 4	COAL 2 0
Carried forward 1 1 9 116 0 2	Total <u>122 5 1</u>

No. 1,710.—SEGHILL.

TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Bored near Seghill North Boundary, by Thomas Wake. 1700.

Approximate surface level feet above sea (Ordnance datum).

	Fs. Ft. In. Fs. Ft. In.		Fs. Ft. In. Fs.	Ft. In
Earth	0 5 0	Brought forward	1 2 0 6	5 0
Grey stone	1 2 0	Grey post	1 0 0	
Strong post	1 5 0	Blue stone	1 0 0	
Grey metal	1 5 0	Black metal	0 2 0	
		Grey stone	0 3 0	
Ft. In.		Post girdles	0 5 0	
COAL 2 6			1 0 0	
Metal 1 6		Black metal	1 1 0	
COAL 2 0		COAL	0 4 0	
	1 0 0		7	5 0
	6 5 0	Cmm 41:31	0	3 0
Grey thill	0 9 0	Grey thill	0	3 0
2222 1.				
White post	1 0 0			
G1-1 6 1	1 0 0 0		_	
Carried forward	1 2 0 6 5 0	Total	15	1 0

No. 1,711.—SEGHILL.

TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnauce Map. Lat. 55° 3′ 29", Long. 1° 33′ 27".

First Hole bored at Seghill, about 440 yards to the South-west of the Old Hall, by George Rawlings, junior. May 6th, 1809.

Approximate surface level 157 feet above sea (Ordnance datum).

Soil and clay													_
Soil and clay	F	's.]	Ft. In	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue stony clay	Soil and clay	0	5 0)			Brought forward	10	0	4	25	3	
Grey metal stone (3												-	-
Fathoms of round boxes put in 1 5 5 5 5 5 5 5 5 5													
Black shivery metal							111111111111111111111111111111111111111						
State Coal													
Black shivery metal 0 2 10 10 1 1 7 10 10 3 6 6 6 6 6 6 6 6 6	boxes put in)	L	5 5				splinty, with						
Grey metal 0 1 2 6 0 5	Black shivery metal	0	2 10										
Grey metal								Λ	2	9			
Grey metal	C	,	1 2			_		U	9		10	_	_
Brown post					U	9	~				10	3	6
Brown post	Grey metal	1	1 7				Grey metal	1	0	0			
Grey metal stone, with strong grey post girdles and water near the bottom 5 3 6 Grey metal 1 4 6 Strong grey metal stone, with water 1 0 COAL, with water 1 0 COAL, foul 0 4 13 1 11 Grey metal and metal stone, with post girdles and water 1 5 2 Whin (2 shifts) 0 0 5 6 Grey metal stone, with post girdles 2 2 6 Black grey metal 0 0 3 0 GOAL, with scares of metal 0 3 0 Goal, with scares of metal 0 2 0 To COAL, with scares of metal 0 1 6 Grey metal stone, with girdles (29 fins. 4 ft. round boxes put in) Whin mixture (eight shifts) 0 2 2 Grey metal and metal stone, with strong post girdles and water 2 0 2 0 Grey metal and metal stone, with strong post girdles and water near the bottom Strong white post 0 4 0 Grey metal 0 3 10 Grey metal stone, with strong post girdles and water near the bottom Strong white post 0 4 0 Grey metal 0 2 2 Grey metal 0 0 2 0 Grey metal 0 0 3 0 Grey metal 0 0 4 6 G	Brown post	4	3 0					2	3	10			
Strong grey post girdles and water near the bottom							0011						
Grey metal								U	1	U		_	4
Strong grey metal stone 1 1 0 Dark grey metal stone 1 1 0 Dark grey metal stone 1 1 0 Dark grey shivery metal stone 0 5 6 Grey metal 0 0 5 Grey metal 0 0 0 5 Grey metal 0 0 0 5 Grey metal 0 0 0 0 0 Grey metal 0 0 Grey metal 0 0 Grey metal							~				3	b	1
Stone	girdles and water						Grey metal	0	1	0			
Stone	near the bottom	5	3 6				Strong grey metal						
Dark grey shivery metal Strong white post, with whin O O O O O O O O O							stone	1	1	Ω			
Main Coal Main Main Coal Main	0 0	•	1 0				Doub anor shiroun	-	_	U			
Grey metal and metal stone, with post girdles and water 1								_	_				
White post, with water Strong white post, mixed with whin O 0 3	COAL, with						metal	0	5	6			
Grey metal and metal stone, with post girdles and water 1 5 2 Whin (2 shifts) 0 0 5 Grey metal, with hard girdles 2 2 6 Black grey metal 0 0 3 0 White and grey post 1 0 10 Darkish metal, scared with coal 0 4 0 Whitish grey post 1 4 6 Whin (22 shifts) 0 2 6 White and grey post 1 4 6 Whin (22 shifts) 0 2 6 White and grey post 1 4 6 Whin (22 shifts) 0 2 6 White and grey post 1 4 6 Whin (22 shifts) 0 2 6 White and grey post 1 4 6 White and grey post 1 4 6 White and grey post 0 1 6 Black stone 0 0 6 Darkish grey post 0 1 6 Black stone 0 0 6 Darkish grey post 0 1 6 White post, mixed with whin in girdles and beds of metal stone with strong post girdles and water 2 0 COAL, coarse splinty 0 4 6 Grey metal and metal stone, with strong post girdles and water near the bottom Strong white post 0 4 0 0 Grey metal 0 3 10	water 1 0						Grey metal	0	1	6			
Grey metal and metal stone, with post girdles and water 1 5 2 Whin (2 shifts) 0 0 5 Grey metal, with hard girdles 2 2 6 Black grey metal 0 0 3 0 White and grey post 1 0 10 Darkish metal, scared with coal 0 4 0 Whitish grey post 1 4 6 Whin (22 shifts) 0 2 6 White and grey post 1 4 6 Whin (22 shifts) 0 2 6 White and grey post 1 4 6 Whin (22 shifts) 0 2 6 White and grey post 1 4 6 Whin (22 shifts) 0 2 6 White and grey post 1 4 6 White and grey post 1 4 6 White and grey post 0 1 6 Black stone 0 0 6 Darkish grey post 0 1 6 Black stone 0 0 6 Darkish grey post 0 1 6 White post, mixed with whin in girdles and beds of metal stone with strong post girdles and water 2 0 COAL, coarse splinty 0 4 6 Grey metal and metal stone, with strong post girdles and water near the bottom Strong white post 0 4 0 0 Grey metal 0 3 10	COAL foul 0 4							0	4	0			
Min Coal Seam Coal C		n	1 4					•	-	·			
White and grey post 1 4 6		U			-			_	^	0			
Grey metal, with hard girdles				13	T	11				_			
Soft grey metal stone, with gridles 29 fins 4 ft. round boxes put in) Whin mixture (eight shifts)	Grey metal and metal						White and grey post	1	4	6			
Soft grey metal stone, with gridles (29 fins, 4 ft. round boxes put in) Whin mixture (eight shifts)	stone, with post gir-												
Whin (2 shifts) 0 0 5 Grey metal stone, with post girdles 2 2 6 Black grey metal 0 0 3 COAL (rather brassy near the top)—High Main Coal Seam 0 3 0 Grey metal, with some scares of coal 1 0 0 COAL, with scares of metal 0 2 0 Grey metal stone, with girdles (29 fms. 4 ft. round boxes put in) Whin mixture (eight shifts) 0 2 2 Grey metal and metal stone, with strong post girdles and water near the bottom 4 0 0 Strong white post 0 3 10 Darkish metal, scared with coal 0 4 0 Whitish grey post 0 4 0 Whitish grey post 0 1 6 White and grey post, with black scares 0 0 6 Darkish metal, scared with coal 0 4 0 Whitish grey post 0 1 6 White and grey post, with black scares 0 1 6 White post, mixed with whin girdles and beds of metal stone beds of metal stone beds of metal stone 2 1 2 Whitish post, with grey post 0 2 2 Fard Coal— COAL, with Ft. In. water 2 0 COAL, coarse splinty 0 4 Grey metal and metal stone, with post girdles 1 4 8 White post 1 4 8		1	5 9					1	Ω	10			
With coal 0 4 0								1	U	10			
Whitish grey post		U	0 5					_					
Whin (22 shifts) 0 2 6	Grey metal stone, with						with coal	0	4	0			
Whin (22 shifts) 0 2 6	post girdles	2	2 6	-			Whitish grev post	1	4	6			
COAL (rather brassy near the top)—High Main Coal Seam										6			
with black scares 0 1 6		0	0 0					0	-	0			
Main Coal Seam 0 3 0 Grey metal, with some scares of coal 1 0 0 COAL, with scares of metal 0 2 0 of metal 0 1 2 0 Soft grey metal stone, with grides (29 fins, 4 ft. round boxes put in) Whin mixture (eight shifts) 0 2 2 Grey metal and metal stone, with strong post girdles and water near the bottom 4 0 0 0 2 2 Grey metal 0 2 2 Grey metal 0 2 2 Grey metal stone, with strong post girdles and water near the bottom 4 0 0 0 0 2 4 Grey metal 0 2 2 4 4 4 6 4 6								_		_			
Grey metal, with some scares of coal 1 0 0 COAL, with scares of metal 0 2 0 Soft grey metal 0 1 6 Grey metal stone, with girdles (29 fms. 4 ft. round boxes put in) Whin mixture (eight shifts) 0 2 2 Grey metal and metal stone, with strong post girdles and water near the bottom 4 0 0 Strong white post 0 3 10 Saftsish grey post 0 1 6 White post, mixed with whin girdles and beds of metal stone 2 1 2 Whitish post, with grey post 0 2 1 2 Whitish post, mixed with whin girdles and beds of metal stone 2 1 2 Whitish post, with grey post 0 2 2 Whitish post, mixed with whin girdles and beds of metal stone 2 1 2 Whitish post, with Ft. In. water 2 0 COAL, with Ft. In. water 2 0 COAL, coarse splinty 0 4 Grey metal 0 3 0 Grey metal stone, with post girdles 1 4 8 White post 1 4 8 White post 0 4 6 Grey metal 0 4 6 Grey metal 0 0 4 6	near the top)—High						with black scares	0	Τ	6			
Grey metal, with some scares of coal 1 0 0 COAL, with scares of metal 0 2 0 Soft grey metal 0 1 6 Grey metal stone, with girdles (29 fms. 4 ft. round boxes put in) Whin mixture (eight shifts) 0 2 2 Grey metal and metal stone, with strong post girdles and water near the bottom 4 0 0 Strong white post 0 3 10 Sarkish grey post 0 1 6 White post, mixed with whin girdles and beds of metal stone 2 1 2 Whitish post, with grey post 0 2 2 2 Whitish post, with grey post 0 2 2 Whitish post, with strone and beds of metal stone 2 1 2 Whitish post, with grey post 0 2 2 Whitish post, with strone and beds of metal stone 2 1 2 Whitish post, with grey post 0 2 2 Whitish post, with grey post 0 2 2 Whitish post, with grey post 0 2 2 Whitish post, with strone and beds of metal stone 2 1 2 Whitish post, with grey post 0 2 2 Grey metal 0 3 0 Grey metal 0 4 6 Grey metal 0 0 4 6 Grey metal 0 0 0 4	Main Coal Seam	0	3 0)			Black stone	0	0	6			
White post, mixed with whin girdles and beds of metal stone, with scares with some seares of coal 1 0 0 0					5	4		0	1	6			
Searce of coal 1 0 0 0 0 0 0 0 0 0	Grow motal with some					-		_	_	0.			
COAL, with scares of metal 0 2 0 beds of metal stone 2 1 2 Soft grey metal 0 1 6 1 2 0 Whitish post, with grey scares 0 2 2 Grey metal stone, with gridles (29 fins, 4 ft. round boxes put in) Whin mixture (eight shifts) 0 2 2 * * Grey metal and metal stone, with strong post girdles and water near the bottom 4 0 0 0 2 2 * Grey metal 0 3 10 Grey metal stone, with post girdles 1 4 8 * Whitish post, with grey scares 0 2 2 COAL, with Ft. In. water 2 0 * COAL, coarse splinty 0 4 *	0 7		^ ^										
of metal 0 2 0 Soft grey metal 0 1 6 1 2 0 2 2 Grey metal stone, with girdles (29 fins, 4 ft. round boxes put in) 0 1 10 *		T	0 (,					_				
Soft grey metal	COAL, with scares						beds of metal stone	2	1	2			
Soft grey metal 0 1 6 6 7 2 0	of metal	0	2 0)			Whitish post, with						
Soft grey metal 0 1 6 0 1 10	_			. 1	2	0		0	2	2			
Grey metal stone, with girdles (29 fins. 4 ft. round boxes put in) 3 5 0	Soft grov motel	0	1 0		_			ŭ	_	_			
water 2 0 COAL, coarse splinty 0 4 Strong white post 0 4 0 Grey metal 0 3 10 Grey metal 0 4 6 Grey metal 0 0 4 Grey metal 0 0 4 Grey metal 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Corregley metal	U	T ()										
water 2 0 COAL, coarse splinty 0 4 L2 9	Grey metal stone, with	0	1 10)									
COAL, coarse splinty 0 4 Splinty 0	girdles (29 fms. 4 ft.)	_		_		*	water 2 0						
Whin mixture (eight shifts) 0 2 2 Grey metal and metal stone, with strong post girdles and water near the bottom Grey metal 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 0 3 0 3 0 0 3 0 0 4 6 0 0 4 6 0 0 0 4 6 0	round boxes put in)	3	5 (,			COAL, coarse						
shifts) 0 2 2 Grey metal and metal stone, with strong post girdles and water near the bottom 4 0 0 Strong white post 0 4 0 Grey metal 0 3 10 Grey metal 0 4 6 Grey metal 0 0 0 4							1						
Grey metal and metal stone, with strong post girdles and water near the bottom 4 0 0 Grey metal stone, with post girdles 0 3 0 Grey metal stone, with post girdles 1 4 8 White post 0 4 6 Grey metal 0 0 0 4		^	0 0				spinity 0 1	0	9	4.			
Grey metal 0 3 0 Grey metal stone, with post girdles and water near the bottom 4 0 0 Grey metal stone, with post girdles 1 4 8 White post 0 4 6 Grey metal 0 0 0 4		υ	2 2	i				U	4		10	0	0
Orey metal stone, with post girdles and water near the bottom 4 0 0 0	Grey metal and metal										12	4	9
Orey metal stone, with post girdles and water near the bottom 4 0 0 0	stone, with strong						Grey metal	0	3	0			
ter near the bottom 4 0 0													
Strong white post 0 4 0 Grey metal 0 3 10 White post 0 4 6 Grey metal 0 0 4	7 .9 9 11	1	0 0	,				1	4	8			
Grey metal 0 3 10 Grey metal 0 0 4													
		U	4 ()									
	Grey metal	0	3 10)			Grey metal	0	0	4			
Carried forward 10 0 4 25 3 8 Carried forward 3 0 6 52 3 0	_												
	Carried forward 1	0	0 4	25	3	8	Carried forward	3	0	6	52	3	0
	Janica Lormana 1	•	0 :	. 20	9	U	0011100 201101						

* Approximate sea level (Ordnance datum).

No. 1,711.—SEGHILL.—CONTINUED.

Brought forward					Ft.		Brought forward 65 4 9
COAL In 1 0 Grey metal,							Grey metal, with small scares of coal 0 1 0 Dark grey metal,
mixed with							mixed with coal 0 0 6 Grey metal 0 2 6
-	0		0	3	2	6	Grey metal stone, with girdles 2 0 3
Grey metal Grey metal stone, with	0	1	0				COAL 0 0 8 2 4 11
whin and white post	4	3	0				Grey metal and metal
mixture (5 shifts) Whin (14 shifts) Strong grey metal	0		6				stone, with thin post girdles 2 3 4
stone Grey metal		1	$\frac{6}{1}$				Soft grey metal 1 2 6 White post 3 2 6
Hartley Stone Coal— Ft. In.							Whin and white post mixture 0 4 6 Strong white post 2 0 0
COAL 0 7 Dark grey metal 0 2							Whin mixture 0 0 5 In strong white post 0 2 0
coal, splinty with small							——————————————————————————————————————
white scares 1 9 Grey metal,							
with some small scares of $coal$ 1 0							
COAL, with a small feeder							**
of water near the top 2 3							
COAL, foul 0 3	1	0	0	0	_		
Carried fory	von J		_	9 65	5 	3 9	Total 79 0 11
Carried forv	varu			OĐ	T.	J	10tal <u>79 0 11</u>

No. 1,712.—SEGHILL.

TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4′ 7", Long. 1° 32′ 33".

Account of the Second Hole bored in Seghill Estate, about 150 yards to the West from the Mare Close, and in the North-east corner of the West Haugh Field, by George Rawlings, junior. August 10th, 1809.

Approximate surface level 132 feet above sea (Ordnance datum).

Soil 0 2 0 Sand, with water 0 3 0	Brought forward 0 5 0 Stony clay, with whin tumblers 6 1 9	s. F t.	In. 9
Carried forward 0 5 C	Carried forward	7 0	9

No. 1,712.—SEGHILL.—CONTINUED.

Brought forward Fa. Ft. In. Fa. Ft. In								CONTAINCED:						
Brown post, with open gullets and set away the water at 11 fathoms		Fs.	Ft. I	n. Fs	. F	t. In	1.	70 110	Fs.	Ft.	In.	Fs.	Ft.	In.
gullefs and set away the water at 11 fathoms 6 deep water 3 degree water at 11 fathoms 6 deep water 3 degree water 3 degree water 2 deep water 3 degree water 2 deep water 3 deep water 2 deep water 2 deep water 2 deep water 3 deep wa	Brought forward			7	1	0 9	9	Brought forward	14	3	10	29	2	
gullets and set away the water at 11 fathoms	Brown post, with open						- 1	Grey Seam-						
fathoms 6 4 6 Grey metal, with white post girdles 2 3 0 Grey metal 2 3 0 Grey metal with water 2 3 0 Grey metal, with water 0 0 9 Grey metal, with water 0 0 9 Grey metal, with water 0 0 9 Grey metal, with water 0 0 1 4 Blue grey post, with water 0 3 8 Grey metal, with a strong feeder of water 0 3 8 Grey metal, with a strong feeder of water 0 3 8 Grey metal, with a strong feeder of water 1 2 0 High Main Seam— COAL, with Ft. In. water 3 0 Dark grey metal 0 9 COAL, foul slaty, with bands of metal 1 8 Grey metal, with swith metal 0 0 0 6 Grey metal, with swith metal 0 0 0 6 Grey metal, with swith metal 0 0 0 5 Grey metal, scared with coal 0 0 4 0 COAL, foul slaty 0 1 0 Grey metal, with post girdles and water 8 1 0 0 0 5 Grey metal, with post girdles 0 0 0 6 Grey metal, with post girdles and water 8 10 0 0 2 Grey metal, with post girdles 0 0 0 5 Grey metal, with post girdles 0 0 0 5 Grey metal, with post girdles 0 0 0 5 Grey metal, with post girdles 0 0 0 5 Grey metal, with post girdles 0 0 0 5 Grey metal, with post girdles 0 0 0 5 Grey metal, with post girdles 0 0 0 5 Grey metal, with post girdles 0 0 0 5 Grey metal, with post girdles 0 0 0 5 Grey metal, with post girdles 0 0 0 5 Grey metal, with post girdles 0 0 0 5 Grey metal, with post girdles 0 0 0 5 Grey metal, with post girdles 0 0 0 5 Grey metal, with post girdles 0 0 0 5 Grey metal, with post girdles 0 0 0 5 Grey metal, with post girdles 0 0 0 5 Grey metal, with post girdles 0 0 0 5 Grey metal stone 0 0 2 3 Grey metal 0 0 0 5 Grey metal, with post girdles 0 0 0 5 Grey metal stone 0 0 2 3 Grey metal 0 0 0 5 Grey metal stone 0 0 3 6 White post 0 0 5 Grey metal stone 0 0 3 6 White post 0 0 5 Grey metal stone 0 0 5 Grey metal	gullets and set away							COAL, with Ft. In.						
COAL with water	the water at 11			_				water 3 4						
Post girdles	fathoms	6	4	6				Grey metal 1 0						
Post girdles	Grey metal, with white													
Dark grey metal 2 3 0		2	1	0										
COAL, with a strong feeder of water 0 0 9 13 1 3 1 3 Strong grey post girl dles and metal stone, with water 0 0 3 8 Strong grey post, with water 0 0 3 8 Strong grey post, with water 0 0 3 8 Strong grey post, with water 0 0 3 8 Strong grey post, with water 0 0 3 8 Strong grey post, with water 0 0 3 8 Strong grey post, with water 0 0 3 8 Strong grey post, with water 0 0 3 8 Strong with sort grey metal, with a strong feeder of water 0 1 2 0 Strong white post 0 3 0 Strong white post 0	White post, with water			0										
COAL with astrong feeder of water 0 0 9 13 1 3	Dark grey metal	2	3	0				inches from						
Grey metal, with water O 5 6 6 6 6 6 6 6 6 6	COAL, with a strong							the top 2 8						
Black metal, mixed		0	0	9					1	1	0			
Strong grey post gir-des and metal stone, with water 3 2 0 **				- 13	3	1 :	3					15	4	10
Strong grey post gir dles and metal stone, with water 3 2 0 1 4	Grey metal, with water	0	5	6				Black metal, mixed						
Section Sect	Strong grev post gir-	10	1.	G			- 1	with foul coal	0	0	6			
Mixture whin (3 shifts) 0	dles and metal stone,	\ <u> </u>		-	-	*		Grey metal	0	4				
Blue grey post, with water	with water	3	2	0							0			
Shive grey post, with water		0	1	4										
Water								thin whin girdles	1	0	0			
Blue metal and metal stone		0	3	8				Black metal			_			
Stone Strong white post Strong white pos														
Strong white post								-4	1	3	0			
Whin (got Oct. 13th, through Oct. 27th, 26 shifts)		1	2	0							_			
COAL, with Ft. In. water 3 0 Dark grey metal 0 2 COAL 0 1 Shivery dark metal, mixed with eoal 0 9 COAL, foul slaty, with bands scares of coal 0 0 0 6 COAL, foul and brassy, mixed with metal 0 0 0 5 Grey metal, with small scares of coal 0 0 0 5 Grey metal, scared with eoal 0 0 0 5 Grey metal, with post girdles and water 2 3 5 Bluish and whitish grey post, with water and hard whin girdles 9 0 3 Grey metal, with post girdles 0 0 2 Dark grey metal, with post girdles 0 0 0 2 Through Oct. 27th, 26 shifts) 0 1 8 White post, with partings of metal 0 3 0 Grey metal and metal stone, with ironstone girdles 0 1 6 Grey metal stone, with post with eoal 0 1 6 Grey metal 0 0 2 5 Grey metal, with post girdles 0 0 0 5 Grey metal, mixed with whin in some places 3 3 0 White post 0 1 3 White post 0 1 6 Grey metal 0 1 6 Grey metal 0 1 3 White post 0 1 3 White post 0 1 6 Grey metal stone, with post mixture 0 1 3 White post 0 1 3 White post 0 1 3 White post 0 1 3 Grey metal 0 0 2 3 Grey metal 0 0 2 3 Grey metal 0 0 2 3 Grey metal 0 0 5 0 Grey metal stone 0 2 3 Grey metal 0 0 5 0 A dun white girdle 0 0 5 0 White post 0 5 0 A dun white girdle 0 0 5 0 White post 0 0 8 White post 0 3 6 White post 0 5 0 Strong white post 0 1 3 White post 0 1 3 White post 0 1 3 White post 0 0 1 8 Grey metal 0 0 1 8 Grey metal 0 0 5 5 Grey metal stone 0 2 3 Grey metal 0 0 5 5 Grey metal stone 0 5 0 A dun white girdle 0 0 5 0 White post 0 5 0 Strong white post 0 1 3 White post 0 0 0 9 Grey metal 0 0 0 5 Grey metal .		_	_	•					•	•	_			
Solution Fa Fa Fa Fa Fa Fa Fa F														
White post, with partings of metal									0	1	8			
Shivery dark metal metal metal metal metal metal mixed metal mixed metal mixed metal mixed metal mixed metal metal									Ŭ	-	0			
Grey metal and metal stone, with ironstone girdles or lumps									0	3	0			
Shivery dark metal, mixed with coal 0 9									0	0	0			
Stone girdles or lumps	COAL 0 I													
Strong white post, mixed with whin in some places 2 3 5 5 5 5 5 5 5 5 5														
COAL, foul slaty 0 0 5 8 Grey metal, with small scarce of coal 0 0 0 6 COAL, foul and brassy, mixed with metal 0 0 0 5 Grey metal, scarced with coal 0 4 0 COAL, foul slaty 0 1 0 Grey metal, with post girdles and water 2 3 5 Bluish and whitish grey post, with water and hard whin girdles 9 0 3 Grey metal, with post girdles 0 4 0 White post 0 5 0 Grey metal, with post girdles 0 4 0 White post 0 5 0 Grey metal, with post girdles 0 4 0 White post 0 5 0 Grey metal, with post girdles 0 4 0 White post 0 5 0 Grey metal stone 0 2 3 Grey metal 0 0 9 Grey metal 0 0 2 3 Grey metal stone 0 2 3 Grey metal stone 0 3 0 A dun white girdle 0 5 0 White post 0 3 6 Whin and white post 0 3 6	metal, mixed								9	0	0			
Start Star	with $coal$ 0 9								2	U	U			
Yard Coal 0 2 5 5 6	COAL, foul													
Coal	slaty, with							TT 7 0 7	0	9	_			
Grey metal, with small scares of coal 0 0 6 C O A L , foul and brassy, mixed with metal 0 0 1 0 Grey metal, scared with coal 0 0 4 0 COAL, foul slaty 0 1 0 Grey metal, with post girdles and water 2 3 5 Bluish and whitish grey post, with water and hard whin girdles 9 0 3 Grey metal, with post girdles 9 0 4 0 White post 9 0 3 Grey metal, with post girdles 0 0 4 0 White post 0 5 0 Grey metal 0 0 1 6 Grey metal stone, with post strong white post, mixed with whin in some places 3 3 0 Whin and white post 5 1 1 Grey metal 0 0 9 Grey metal 0 0 9 Grey metal 0 0 9 Grey metal 0 0 2 3 Grey metal 0 5 0 Grey metal stone 0 3 0 A dun white girdle 0 5 0 White post 0 3 6 Whin and white post 0 3 6								Lara Coat	U	2		10	_	17
Grey metal, with small scares of coal 0 0 6 6 COAL, foul and brassy, mixed with metal 0 0 5 6 Grey metal, scared with coal 0 1 0 0 5 11 Grey metal, with post girdles and water 2 3 5 Bluish and whitish grey post, with water and hard whin girdles 9 0 3 Grey metal, with post girdles 9 0 4 0 White post 9 0 4 0 White post 0 5 0 Grey metal stone 0 5 0 White post 0 3 6 White post 0 3 6 White post 0 0 0 8 mixture 0 0 0 8	metal 1 8							Char matal	_	1		14	U	1
Description Column Colum		0	5	8					U	T	О			
Strong white post, mixed with whin in some places 3 3 0				- 8	3	0	8			- 4	0			
Strong with post, mixed with whin in some places 3 3 0	Grev metal, with small								Z	4	Ь			
C O A L , foul and brassy, mixed with metal 0 0 5		0	0	6										
brassy, mixed with metal 0 0 5 5 6 6 7 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		_	-	_							_			
metal 0 0 5 Grey metal, scared with coal 0 4 0 COAL, foul slaty 0 1 0 Grey metal, with post girdles and water 2 3 5 Bluish and whitish grey post, with water and hard whin girdles 9 0 3 Grey metal, with post girdles 9 0 3 Grey metal, with post girdles 0 4 0 White post 0 5 0 White post 0 3 0 A dun white girdle 0 5 0 White post 0 3 0 White post 0 3 0 A dun white girdle 0 5 0 White post 0 3 6 White post 0 3 6 White post </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3</td> <td>3</td> <td>U</td> <td></td> <td></td> <td></td>									3	3	U			
Street	ma =4 =1	0	0	5					_		_			
With coal 0 4 0 COAL, foul slaty 0 1 0 Grey metal, mixed with coal 0 2 3 Grey metal, mixed with coal 0 2 3 Grey metal, mixed with coal 0 2 3 Grey metal 0 5 0				_										
Grey metal, with post girdles and water and hard whin girdles	with coal	0	4	0				White post						
Grey metal, with post girdles and water 2 3 5 Bluish and whitish grey post, with water and hard whin girdles 9 0 3 Grey metal 0 5 0 Grey metal 0 5 0 Grey metal stone	COAL foul slaty			-					0	0	9			
Grey metal, with post girdles and water 2 3 5 Grey metal 0 2 3 COAL 0 1 8	tour staby	_)	5 1	1		_	_	_			
Grey metal				. (J 1	-							
Bluish and whitish grey post, with water and hard whin girdles 9 0 3		_		_							_			
grey post, with water and hard whin girdles Grey metal 0 5 0 Grey metal stone 0 3 0 A dun white girdle 0 5 0 Grey metal stone 0 5 0 Grey metal stone 0 5 0 White post 0 5 0 White post 0 3 6 White post 0 3 6 Whin and white post 0 0 8 mixture 0 0 8 mixture 2 5 7		2	3	5				COAL	0	1	8			
aud hard whin girdles Grey metal stone 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0										_		13	0	3
dles 9 0 3 A dun white girdle 0 0 5 Grey metal, with post girdles 0 4 0 White post 0 3 6 White post girdles 0 0 2 2 5 7								Grey metal						
dles 9 0 3 Grey metal, with post girdles 0 4 0 White post 2 2 0 Dark grey metal, with post girdles 0 0 2 White post 0 0 8 white post 0 0 <td>and hard whin gir-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Grey metal stone</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	and hard whin gir-							Grey metal stone						
Grey metal, with post girdles 0 4 0 White post 0 3 6 White post 2 2 0 White post 0 3 6 Dark grey metal, with post girdles 0 0 2 0 0 8 2 5 7	dles	9	0	3				A dun white girdle	0					
White post 0 4 0 White post 0 3 6 White post 0 0 8 Post girdles 0 0 2 White post 0 0 8 Post girdles 0 0 2 Post girdles 0 0 2 Post girdles 0 0 2 Post girdles 0 0 0 8	Grey metal, with post								0					
Dark grey metal, with post girdles 0 0 2	girdles	0	4	0				White post	0	3	6			
Dark grey metal, with post girdles 0 0 2	White post	2	2	0										
post girdles 0 0 2 2 5 7	Dark grey metal, with								0	0	8			
		0	0	2								2	5	7
Carried forward 14 3 10 29 2 7 Total 73 1 10		_										_		
	Carried forward	14	3 1	0 29	9	2	7	Total				73	1	10

^{*} Approximate sea level (Ordnance datum).

No. 1,713.—SEGHILL.

TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 3′ 47″, Long. 1° 33′ 2″.

Account of Third Hole bored in Seghill Estate, about midway between the First and Second Holes, by George Rawlings, junior. August 15th, 1810.

Approximate surface level 150 feet above sea (Ordnance datum).

	Fs. 0 0	1	0	Fs.	Ft.	In.	Brought forward 13 4 2 21 1 10 COAL, with water
Brown post, with	_	_		0	3	0	near the top and small scares of brass
sandy partings and a strong feeder of							in some places— Grey Seam 0 3 10
COAL	0	0		0	4	1.	Grey metal 0 3 0
Brown post, with partings	2	2	8	Ů	7	- 30	COAL 0 0 8
Grey metal and metal stone, with girdles	9	2	0				Grey metal stone, with strong white post
COAL	0	1	2	11	5	10	girdles 3 4 6 Black metal stone, with hard whin girdles 2 0 0
Grey metal stone, with girdles White thready post	0	4	0				COAL 0 1 3
and set away the water Whin (4 shifts)	0	3	8				Grey metal 0 1 0 Grey metal stone, with
Whin (4 shifts) Grey metal stone and grey metal with	0	0	5				white post girdles and water 3 1 9 COAL, with water 0 2 0
post girdles Darkish grey metal		1 4					3 4 9
water Dark grey and black	o	1	0				Grey metal 0 1 0 Grey metal stone, with beds of white and
metal, with scares of coal	1	1	0				grey post with water 2 1 6 COAL—Yard Coal 0 1 3
and bands of metal -High Main Coal	0	Q	A				Grey metal stone, with
Darkish orev metal	0	4.		8	0	8	girdles near the top 4 0 0 Whin mixture 0 0 10
Grey metal stone, with post girdles and metal partings	10	0				*	Grey metal stone, with post girdles 4 1 5 White post 2 0 0
Dunnish white post Dun whin mixture (6	0	2	6				Grey metal stone, with thin white post
shifts) Strong grey post, with	0	0					girdles 1 0 5 0
Carried forward			_	21	1	10	Carried forward 11 1 3 48 3
		_			1	10	Carried forward 11 1 3 48 3

^{*} Approximate sea level (Ordnance datum).

No. 1,713.—SEGHILL.—CONTINUED.

Fs. Ft. In. Fs. Ft. In.	E. D. T. H. T.
Brought forward 11 1 3 48 3 9	Brought forward Fs. Ft. In. Fs. Ft. In. 61 0 0
Hartley Stone Coal—	Bored further:—
COAL, coarse Ft. In.	Strata 9 4 3
splinty 2 9	Hartley Main Coal
COAL, foul,	or 5/4 Seam Ft. In.
with black	COAL, with
metal 0 4	water 1 9
Darkish grey	Grey metal 0 9
metal 1 3	COAL 0 10
COAL 2 4	Grey metal,
COAL, foul 0 4	scared with
1 1 0	coal 0 9
12 2 3	COAL, coarse
·	splinty 0 3
	COAL 1 4
	0 5 8
	10 3 11
Carried forward 61 0 0	Total 71 3 11

No. 1,714.—SEGHILL.

TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat. 55° 3′ 35″, Long. 1° 33′ 57″.

Account of the Fourth Hole bored to the Coal Seams in Seghill Estate, about 560 yards West from the Quarry at the West End of the Town Street, on the South side of the Road and in the North corner of Loaning End Close. June 2nd, 1823.

Approximate surface level 164 feet above sea (Ordnance datum).

Soil Fs. Ft. In. Fs. Ft. In. Broug	ht forward	. Ft.				In. 2
	0					
Blue stony clay 3 3 0 White po						
	of metal					
	1	0	6			
	0		7			
COAL 0 1 3 Dark grey						
	tone with					
Grey metal, scared girdles	3	4	11			
	ass and foul 0					
6 inches 1 1 0				5	2	9
	and metal		•			
	2	0	0			
	metal 0					
	th scares of					
	High Main					
	0	2	3			
9 1 11				2	4	9
·						
Carried forward 14 1 2	Carried forwa	rd		22	2	-8
Carried for ward 14 1 2	Carried 101 wa	·u			_	U

No. 1,714.—SEGHILL.—CONTINUED.

		,											
-	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft. I	n
Brought forward				22	2	8	Brought forward	7	0	10	40	4	4
Grey metal stone, with							Black stone	0	1	0			
thin girdles for 2							Strong metal stone,						
fathoms and some							with white post						
scares of coal near							girdles	1	4	0			
the top	4	2	4				Dark metal stone	0	1	0			
Grey metal, mixed							Strong grey post, with						
with coal	0	1	6				hard white post						
1	0	1	6			*	and whin girdles	0	4	0			
Grey metal {	0	2	6			W-	Grey metal stone, with						
Dark blue metal	0	1	6				hard girdles	5	0	0			
COAL, soft foul,							White post	0	1	0			
mixed with metal,							Grey metal	0		9			
except the last 6							COAL — Yard Coal	0	2	6			
inches	0	2	5								15	3	1
Grey metal	0	5	0				Darkish grey metal	0	0	6			
COAL	0	0	3				Grey metal stone, with	_					
Grey metal and metal							post girdles	1	1	0			
stone, with post							COAL, foul	0	1	8			
girdles	3	4	4				Grev metal and metal						
Blue grey metal stone,							stone, with post	_	0	_			
inclining to post,							girdles and water	9	0	5			
with metal partings	4	0	6				* Hartley Stone Coal—						
White post	0	4	0				Ft. In.						
Grey and dark grey							COAL 0 6						
metal	1	0	8				Black slaty						
Black slaty metal							metal, mixed						
stone	0	1	3				with coal 0 2						
Grey Seam— Ft. In.		1	3				COAL, with						
Grey Seam— Ft. In.		1	3				COAL, with water and						١
Grey Seam— Ft. In. COAL 0 8 COAL, danty,		1	3				coal, with water and small white						١
Grey Seam— Ft. In. COAL 0 8 COAL, danty, mixed with		1	3				COAL, with water and small white scares, rather						١
Grey Seam— Ft. In. COAL 0 8 COAL, danty, mixed with black metal 0 2		1	3				COAL, with water and small white scares, rather soft and						
Grey Seam—Ft. In. COAL 0 8 COAL, danty, mixed with black metal 0 2 COAL, mixed		1	3				COAL, with water and small white scares, rather soft and danty from						
Grey Seam—Ft. In. COAL 0 8 COAL, danty, mixed with black metal 0 2 COAL, mixed with black		1	3				coal, with water and small white scares, rather soft and danty from 8 to 12 ins. 1 6						
Grey Seam—Ft. In COAL 0 8 COAL, danty, mixed with black metal 0 2 COAL, mixed with black stone and		1	3				coal, with water and small white scares, rather soft and danty from 8 to 12 ins. 1 6 coal, foul						
Grey Seam—Ft. In COAL, 0 8 COAL, danty, mixed with black metal 0 2 COAL, mixed with black stone and sulphur 2 5		1	3				coal, with water and small white scares, rather soft and danty from 8 to 12 ins. 1 6 coal, foul brassy 0 3						
Grey Seam—Ft. In COAL 0 8 COAL, danty, mixed with black metal 0 2 COAL, mixed with black stone and sulphur 2 5 Dark grey		1	3				COAL, with water and small white scares, rather soft and danty from 8 to 12 ins. 1 6 COAL, foul brassy 0 3 COAL 0 3						
Grey Seam—Ft. In. COAL, 0 8 COAL, danty, mixed with black metal 0 2 COAL, mixed with black stone and sulphur 2 5 Dark grey metal 0 2		1	3				COAL, with water and small white scares, rather soft and danty from 8 to 12 ins. 1 6 COAL, foul brassy 0 3 COAL 0 3 Dark grey						
Grey Seam—Ft. In 0 8 COAL, danty, mixed with black metal 0 2 COAL, mixed with black stone and sulphur 2 5 Dark grey metal 0 2 COAL, mixed		1	3				COAL, with water and small white scares, rather soft and danty from 8 to 12 ins. 1 6 COAL, foul brassy 0 3 COAL 0 3 Dark grey metal 1 1						
Grey Seam—Ft. In 0 8 COAL, anty, mixed with black metal 0 2 COAL, mixed with black stone and sulphur 2 5 Dark grey metal 0 2 COAL, mixed with black		1	3				COAL, with water and small white scares, rather s of t and danty from 8 to 12 ins. 1 6 COAL, foul brassy 0 3 COAL 0 3 Dark grey metal 1 1 COAL, with						
Grey Seam—Ft. In O 8 COAL, anty, mixed with black metal 0 2 COAL, mixed with black stone and sulphur 2 5 Dark grey metal 0 2 COAL, mixed with black stone and		1	3				COAL, with water and small white scares, rather soft and danty from 8 to 12 ins. 1 6 COAL, foul brassy 0 3 COAL 0 3 Dark grey metal 1 1 COAL, with water 2 1						
Grey Seam—Ft. In COAL 0 8 COAL, danty, mixed with black metal 0 2 COAL, mixed with black stone and sulphur 2 5 Dark grey metal 0 2 COAL, mixed with black stone and sulphur 0 3		1	3				COAL, with water and small white scares, rather soft and danty from 8 to 12 ins. 1 6 COAL, foul brassy 0 3 COAL 0 3 Dark grey metal 1 1 COAL, with water 2 1 COAL, soft						
Grey Seam—Ft. In COAL 0 8 COAL, danty, mixed with black metal 0 2 COAL, mixed with black stone and sulphur 2 5 Dark grey metal 0 2 COAL, mixed with black stone and sulphur 0 3 Grey metal 0 3 Grey metal 4 9		1	3				COAL, with water and small white scares, rather soft and danty from 8 to 12 ins. 1 6 COAL, foul brassy 0 3 COAL 0 3 Dark grey metal 1 1 COAL, with water 2 1 COAL, soft	1	0	3			
Grey Seam—Ft. In COAL 0 8 COAL, danty, mixed with black metal 0 2 COAL, mixed with black stone and sulphur 2 5 Dark grey metal 0 2 COAL, mixed with black stone and sulphur 0 3 Grey metal 4 9			11				COAL, with water and small white scares, rather soft and danty from 8 to 12 ins. 1 6 COAL, foul brassy 0 3 COAL 0 3 Dark grey metal 1 1 COAL, with water 2 1 COAL, soft	1	0		11	3	10
Grey Seam—Ft. In COAL 0 8 COAL, danty, mixed with black metal 0 2 COAL, mixed with black stone and sulphur 2 5 Dark grey metal 0 2 COAL, mixed with black stone and sulphur 0 3 Grey metal 0 3 Grey metal 4 9			11	18	1	8	COAL, with water and small white scares, rather soft and danty from 8 to 12 ins. 1 6 COAL, foul brassy 0 3 COAL 0 3 Dark grey metal 1 1 COAL, with water 2 1 COAL, soft	1	0		11	3	10
Grey Seam—Ft. In COAL 0 8 COAL, danty, mixed with black metal 0 2 COAL, mixed with black stone and sulphur 2 5 Dark grey metal 0 2 COAL, mixed with black stone and sulphur 0 3 Grey metal 0 3 Grey metal 4 9			11	18	1	8	COAL, with water and small white scares, rather s oft and danty from 8 to 12 ins. 1 6 COAL, foul brassy 0 3 COAL 0 3 Dark grey metal 1 1 COAL, with water 2 1 COAL, soft foul 0 5	1 0	0		11	3	10
Grey Seam— Ft. In COAL 0 8 COAL, danty, mixed with black metal 0 2 COAL, mixed with black stone and sulphur 2 5 Dark grey metal 0 2 COAL, mixed with black stone and sulphur 0 3 Grey metal 4 9 COAL 1 6	1 1	3	11 0	18	1	8	COAL, with water and small white scares, rather soft and danty from 8 to 12 ins. 1 6 COAL, foul brassy 0 3 COAL 0 3 Dark grey metal 1 1 COAL, with water 2 1 COAL, soft foul 0 5 Grey metal, with thin				11	3	10
Grey Seam— Ft. In COAL 0 8 COAL, danty, mixed with black metal 0 2 COAL, mixed with black stone and sulphur 2 5 Dark grey metal 0 2 COAL, mixed with black stone and sulphur 0 3 Grey metal 4 9 COAL 1 6 Grey metal Grey post, with partings and water	1	3	11	18	1	8	COAL, with water and small white scares, rather soft and danty from 8 to 12 ins. 1 6 COAL, foul brassy 0 3 COAL 0 3 Dark grey metal 1 1 COAL, with water 2 1 COAL, soft foul 0 5 Grey metal, with thin girdles near bottom	0	4	6	11	3	10
Grey Seam— Ft. In COAL 0 8 COAL, danty, mixed with black metal 0 2 COAL, mixed with black stone and sulphur 2 5 Dark grey metal 0 2 COAL, mixed with black stone and sulphur 0 3 Grey metal 4 9 COAL 1 6 Grey metal Grey post, with partings and water Dark metal, with	1 1 1	3 1 3	11 0 8	18	1	8	COAL, with water and small white scares, rather s of t and danty from 8 to 12 ins. 1 6 COAL, foul brassy 0 3 COAL 0 3 Dark grey metal 1 1 COAL, with water 2 1 COAL, soft foul 0 5 Grey metal, with thin girdles near bottom COAL	0	4	6	11	3	10
Grey Seam— Ft. In COAL 0 8 COAL, danty, mixed with black metal 0 2 COAL, mixed with black stone and sulphur 2 5 Dark grey metal 0 2 COAL, mixed with black stone and sulphur 0 3 Grey metal 4 9 COAL 1 6 Grey metal Grey post, with partings and water Dark metal, with scares of coal	1 1 1 0	3 1 3 3	$\frac{11}{0}$ 8	18	1	8	COAL, with water and small white scares, rather soft and danty from 8 to 12 ins. 1 6 COAL, foul brassy 0 3 COAL 0 3 Dark grey metal 1 1 COAL, with water 2 1 COAL, soft foul 0 5 Grey metal, with thin girdles near bottom COAL Grey metal, with iron- stone girdles Blackish metal, mixed	0 0	4 0	6 2	11	3	10
Grey Seam— Ft. In COAL 0 8 COAL, danty, mixed with black metal 0 2 COAL, mixed with black stone and sulphur 2 5 Dark grey metal 0 2 COAL, mixed with black stone and sulphur 0 3 Grey metal 4 9 COAL 1 6 Grey metal 4 9 COAL 1 6 Grey metal 4 9 COAL 1 6 Grey metal 4 9 COAL 1 6 Grey metal 4 9 COAL 1 6 Grey metal 4 9 COAL 1 6 Grey metal 4 9 COAL 1 6	1 1 0 1	3 1 3 4	111 0 8 10 0	18	1	8	COAL, with water and small white scares, rather s of t and danty from 8 to 12 ins. 1 6 COAL, foul brassy 0 3 COAL 0 3 Dark grey metal 1 1 COAL, with water 2 1 COAL, soft foul 0 5 Grey metal, with thin girdles near bottom COAL Grey metal, with iron- stone girdles Blackish metal, mixed with foul coal When the coal Blackish metal, mixed	0 0 2 0	4 0	6 2 0 8	11	3	10
Grey Seam— Ft. In COAL 0 8 COAL, danty, mixed with black metal 0 2 COAL, mixed with black stone and sulphur 2 5 Dark grey metal 0 2 COAL, mixed with black stone and sulphur 0 3 Grey metal 4 9 COAL 1 6 Grey metal 4 9 COAL 1 6 Grey metal 4 9 COAL 1 6 Whitish grey post Whitish grey post Whit (18 shifts)	1 1 1 0	3 1 3 4	$\frac{11}{0}$ 8	18	1	8	COAL, with water and small white scares, rather soft and danty from 8 to 12 ins. 1 6 COAL, foul brassy 0 3 COAL 0 3 Dark grey metal 1 1 COAL, with water 2 1 COAL, soft foul 0 5 Grey metal, with thin girdles near bottom COAL Grey metal, with iron- stone girdles Blackish metal, mixed with foul coal Grey metal Grey metal	0 0 2 0 1	4 0 1 0 1	6 2 0 8 0	11	3	10
Grey Seam— Ft. In COAL 0 8 COAL, danty, mixed with black metal 0 2 COAL, mixed with black stone and sulphur 2 5 Dark grey metal 0 2 COAL, mixed with black stone and sulphur 0 3 Grey metal 4 9 COAL 1 6 Grey metal 4 9 COAL 1 6 Grey metal 4 9 COAL 1 6 Whitish grey post, with partings and water 0ark metal, with seares of coal Whitish grey post. Whin (18 shifts) Strong white post and	1 1 0 1	3 1 3 4	111 0 8 10 0	18	1	8	COAL, with water and small white scares, rather s oft and danty from 8 to 12 ins. 1 6 COAL, foul brassy 0 3 COAL 0 3 Dark grey metal 1 1 COAL, with water 2 1 COAL, soft foul 0 5 Grey metal, with thin girdles near bottom COAL Grey metal, with iron- stone girdles Blackish metal, mixed with foul coal Grey metal Grey metal Grey metal White post	0 0 2 0 1 0	4 0 1 0 1 2	6 2 0 8 0 3	11	3	10
Grey Seam— Ft. In COAL 0 8 COAL, danty, mixed with black metal 0 2 COAL, mixed with black stone and sulphur 2 5 Dark grey metal 0 2 COAL, mixed with black stone and sulphur 0 3 Grey metal 4 9 COAL 1 6 Grey metal 4 9 COAL 1 6 Grey metal Grey post, with partings and water Dark metal, with scares of coal Whitish grey post Whin (18 shifts) Strong white post and beds of metal stone,	1 1 0 1 0	3 1 3 4 2	111 0 8 10 0 4	18	1	8	COAL, with water and small white scares, rather soft and danty from 8 to 12 ins. 1 6 COAL, foul brassy 0 3 COAL 0 3 Dark grey metal 1 1 COAL, with water 2 1 COAL, soft foul 0 5 Grey metal, with thin girdles near bottom COAL Grey metal, with iron- stone girdles Blackish metal, mixed with foul coal Grey metal Grey metal	0 0 2 0 1	4 0 1 0 1	6 2 0 8 0	11		
Grey Seam— Ft. In COAL 0 8 COAL, danty, mixed with black metal 0 2 COAL, mixed with black stone and sulphur 2 5 Dark grey metal 0 2 COAL, mixed with black stone and sulphur 0 3 Grey metal 4 9 COAL 1 6 Grey metal 4 9 COAL 1 6 Grey metal 4 9 COAL 1 6 Whitish grey post, with partings and water 0ark metal, with seares of coal Whitish grey post. Whin (18 shifts) Strong white post and	1 1 0 1	3 1 3 4 2	111 0 8 10 0	18	1	8	COAL, with water and small white scares, rather s oft and danty from 8 to 12 ins. 1 6 COAL, foul brassy 0 3 COAL 0 3 Dark grey metal 1 1 COAL, with water 2 1 COAL, soft foul 0 5 Grey metal, with thin girdles near bottom COAL Grey metal, with iron- stone girdles Blackish metal, mixed with foul coal Grey metal Grey metal Grey metal White post	0 0 2 0 1 0	4 0 1 0 1 2	6 2 0 8 0 3	11	3	
Grey Seam— Ft. In COAL 0 8 COAL, danty, mixed with black metal 0 2 COAL, mixed with black stone and sulphur 2 5 Dark grey metal 0 2 COAL, mixed with black stone and sulphur 0 3 Grey metal 4 9 COAL 1 6 Grey metal 4 9 COAL 1 6 Grey metal Grey post, with partings and water Dark metal, with scares of coal Whitish grey post Whin (18 shifts) Strong white post and beds of metal stone,	1 1 0 1 0	3 1 3 4 2	111 0 8 10 0 4			8	COAL, with water and small white scares, rather s oft and danty from 8 to 12 ins. 1 6 COAL, foul brassy 0 3 COAL 0 3 Dark grey metal 1 1 COAL, with water 2 1 COAL, soft foul 0 5 Grey metal, with thin girdles near bottom COAL Grey metal, with iron- stone girdles Blackish metal, mixed with foul coal Grey metal Grey metal Grey metal White post	0 0 2 0 1 0	4 0 1 0 1 2	6 2 0 8 0 3			

^{*} Approximate sea level (Ordnance datum).

No. 1,715.—SEGHILL.

TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4′ 33″, Long. 1° 32′ 38″.

Account of the Fifth Hole in Seghill Estate, about 700 yards North-east from the First Hole, 14 yards from the North-east boundary, and 100 yards South from the North-east angle of Wellfield 450 West from Whitridge. June 19th, 1823.

Approximate surface level 147 feet above sea (Ordnance datum).

a. 1 . 1 . 1 . 1 1				Fs. Ft.	In.	Brought forward					Ft.	
Soil and sandy clay Brown and blue sandy	U	1	0							20	т	-
clay	0	4	6			Grey metal stone	0	4	0			
Stony clay, with scares	Ŭ	-	Ŭ			Dark grey and black						
of sard	2	1	3			metal, scared with	Ω	4	6			
Blue grey whin tum-						COAL		0				
blers	0	1				Grey metal, with some		·				
Blue stony clay	9	3	9			small scares of coal	1	0	0			
Brown post, with						Grey metal stone	1	0	0			
sandy partings and		^	^			Bluish grey post, with						
a little water	3	$0 \\ 1$				water	7	2	9			
Grey metal Dark grey metal, with	U	1	O			Grey metal stone, in-						
dun girdles	1	5	0			clining to post, with	^	_	^			
COAL	0		_			water		5				
	·	Ŭ	·	18 1	9	Strong white post	Э	5	4			
			_	10 1	Э	Grey Seam-						
Whitish grey metal	1	0	0			COAL, with						
Metal, with beds of						sulphur the Ft. In.						
grey post	0	4	6			last 6 ins. 4 4						
Blue grey jointy whin						Dark grey						
(4 shifts)	0	0	10			metal 0 7						
Grey metal stone, with			_			COAL 2 10						
post girdles	3	4	5				1	1	9			
Softish white grey	0	2	0							20	1	3
metal COAL — High Main	U	4	U							20	_	0
Coal	0	2	0			Dark metal, mixed						
	•	_	Ü	0 1	0	with coal at top				0	1	2
				6 1	9							
Grey metal, scared					*							
with coal	-	4	3									
	ō											
,				1 4	7							
				1 7	•							
Grey metal	0	1	5	-								
Blue, grey, and white												
post	1	0	0									
		_								-		_
Carried forward	1	1	5	26 1	7	Total		• • •	2	46	4	0
						•						

^{*} Approximate sea level (Ordnance datum).

No. 1,716.—SEGHILL.

TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 54° 3′ 56", Long. 1° 32′ 44".

Account of the Sixth Hole in Seghill Estate (called the Ninth in Mr. Maddison's Account, bored in 1810) in South Dodderish Field, about 420 yards North-east from the Third Hole. September 17th, 1823.

Approximate surface level feet above sea (Ordnance datum).

0-1	-		In,	Fs.	Ft.	In.	Draught forward	Fs.	Ft.	In.	Fs.		
Soil	0	1	0				Brought forward	0	0	-	30	1	6
Brown stony clay	0	4	0				COAL, danty foul			5			
Sand, with water	0	2	0				Dark grey metal		4				
Blue stony clay	4	4	0				COAL	0	0	8			
Loamy sand	0	1	0				Grey metal and metal						
Blue stony clay	3	3	6				stone, with thin						
Dark grey metal	0	0	8				girdles and water	3	0	5			
Strong grey post	0	1	2				White post	1	1	6			
Dark grey metal	1	0	8				Grey metal stone, with	_					
0041 010 1	0	ĭ	ő				1	1	0	6			
	0	i	0						U	U			
Grey metal							Black metal, with hard	0	4	0			
Grey post	0	3	0				girdles	0	4	6			
Grey metal stone and							Grey metal and metal						
grey metal	3	4	6				stone, with post						
White and grey post	0	3	0				girdles	3	5	6			
Grey metal and metal							COAL, with water—						
stone, and set away							Yard Coal	0	2	5			
the water at 161							2 0,0 0000		-		11	1	11
	1	4	0				Plus amon motel with				TT	1	TT
fathoms	1	4	9				Blue grey metal, with	-	•	_			
COAL, rather soft,							girdles	1	0				
with water — High							Black stone	0	2	0			
Main Coal	0	3	2				Grey metal stone and						
			—	18	2	5	grey post towards						
Soft grey metal	0	1	4				the bottom	1	0	7			
COAL	0	0	3				Strong white post,	_		•			
Dark grey metal,		•					with water	6	1	0			
scared with coal	1	0	9					U	Т	U			
	т	U	ð				Grey metal stone, with						
COAL, brassy, Ft. In.							beds of strong white						
with water 1 0							post and water	3	2	0			
Dark grey me-							TT 13 C1 C1 T						
tal 0 9							Hartley Stone Coal—						
COAL, foul 1 4							Ft. In.						
Special diseases	0	3	1				COAL, danty 0 6						
				1	5	5	COAL 0 8						
Grey metal and metal				-	_		Dark grey						
stone, with post							metal 0 1						
	A	7	0				COAL 1 2						
girdles and water	4	1	2			.v.	**						
Bluish grey post and						*	Dark grey						
much water	10	2	R				metal (sup-						
			4				posed to be						
Grey metal	U	U	44				on a dyke) 1 5						
Grey Seam-							COAL, rather						
COAL, with Ft. In.							soft the first						
water 3 10							6 inches 1 10						
Grey metal 1 4								0	5	8			
COAL 2 4							1	U	U		10	=	9
	1	1	6								12	5	3
1		_	_	15	5	8							
				10	U	O							
Carried for	HO TO	3		26	1	0	0. 116						_
Carried for	war(,		36	1	6	Carried forward				60	2	8

^{*} Approximate sea level (Ordnance datum).

No. 1,716.—SEGHILL.—CONTINUED.

Fs. Ft. In. Fs. Ft. In. Go 2 8 Brought forward Dark grey metal								
Dark grey metal 0 2 0 Grey metal stone, with thin girdles 1 2 0 Beds of strong white post, mixed with whin and beds of metal stone, with water 1 5 6 Whin and white post mixture (10 shifts) 0 1 5 Grey metal stone 1 0 0 Whin (5 shifts) 0 0 6 Grey metal stone, with post girdles 3 5 0 Grey metal 0 1 0 COAL, foul 0 0 4 Grey metal 0 1 0 COAL, foul 0 0 4 Grey metal 0 1 0 COAL, foul 0 0 4 Grey metal 0 0 1 0 Bark grey metal, scared with coal 0 0 4 In grey metal stone 0 4 0 Bored further:— Strata 15 3 4	D 14 C 17	Fs.	Ft.	In.				
Grey metal stone, with thin girdles		0	0	0	OU	2	8	
thin girdles 1 2 0 Beds of strong white post, mixed with whin and beds of metal stone, with water 1 5 6 Whin and white post mixture (10 shifts) 0 1 5 Grey metal stone, with post girdles 3 5 0 Grey metal 0 1 0 COAL, foul 0 0 0 4 Grey metal 0 1 0 COAL, foul 0 0 0 4 Grey metal 0 1 0 Dark grey metal, scared with coal 0 0 4 In grey metal stone 0 4 0 Bored further:— Strata 15 3 4		U	Z	U				
Beds of strong white post, mixed with whin and beds of metal stone, with water 1 5 6 Whin and white post mixture (10 shifts) 0 1 5 Grey metal stone 1 0 0 Whin (5 shifts) 0 0 6 Grey metal stone, with post girdles 3 5 0 Grey metal 0 1 0 COAL, foul 0 0 1 0 COAL, foul 0 0 1 0 COAL, foul 0 0 4 Grey metal 0 1 0 Dark grey metal, scared with coal 0 0 4 In grey metal stone 0 4 0 Bored further:— Strata 15 3 4		4	0	^				
post, mixed with whin and beds of metal stone, with water 1 5 6 Whin and white post mixture (10 shifts) 0 1 5 Grey metal stone 1 0 0 0 Whin (5 shifts) 0 0 6 Grey metal stone, with post girdles 3 5 0 Grey metal 0 1 0 0 4 Grey metal 0 1 0 COAL, with a small scare of brass at 6 ins. from the top 1 3 COAL, with a small metal band at 4 ins. from the top 0 6 1 0 0 2 Dark grey metal, scared with coal 0 0 4 In grey metal stone 0 4 0 0 4 4 In grey metal stone 0 4 0 0 4 4 In grey metal stone 0 4 0 0 4 4		1	2	0				
whin and beds of metal stone, with water 1 5 6 Whin and white post mixture (10 shifts) 0 1 5 Grey metal stone 1 0 0 Whin (5 shifts) 0 0 6 Grey metal stone, with post girdles 3 5 0 Grey metal 0 1 0 COAL, foul 0 0 4 Grey metal 0 1 0 Dark grey metal, scared with coal 0 0 4 In grey metal stone 0 4 0 Bored further:— Strata 15 3 4								
Metal stone, with water								
water 1 5 6 Whin and white post mixture (10 shifts) 0 1 5 Grey metal stone 1 0 0 Whin (5 shifts) 0 0 6 Grey metal stone, with post girdles 3 5 0 Grey metal 0 1 0 COAL, foul 0 0 4 Grey metal 0 1 0 Dark grey metal, scared with coal 0 0 4 In grey metal stone 0 4 0 Bored further:— Strata 15 3 4								
Whin and white post mixture (10 shifts) 0 1 5 Grey metal stone 1 0 0 0 Whin (5 shifts) 0 0 6 Grey metal stone, with post girdles 3 5 0 Grey metal 0 1 0 COAL, foul 0 0 1 0 Grey metal 0 1 0 Toke the top 1 3 COAL, with a small metal band at 4 ins. from the top 0 6 0 5 5 10 0 2 Dark grey metal, scared with coal 0 4 0 Toke the top 0 4 0 Toke the top 0 4 4 Toke the top 0 5 5 Toke the top 0 4 5 Toke the top 0 4 5 Toke the top 0 5 Toke the top 0 4 4 Toke the top 0 4 5 Toke the top 0 4 Toke the top 0 4 Toke the top 0 4 Toke the top 0 5 Toke the top 0		_	_	_				
mixture (10 shifts) 0 1 5 Grey metal stone 1 0 0 Whin (5 shifts) 0 0 6 Grey metal stone, with post girdles 3 5 0 Grey metal 0 1 0 COAL, foul 0 0 4 Grey metal 0 1 0 Dark grey metal, scared with coal 0 0 4 In grey metal stone 0 4 0 Bored further:— Strata 15 3 4		1	5	6				
Grey metal stone 1 0 0 0 6								
Whin (5 shifts) 0 0 6 Grey metal stone, with post girdles 3 5 0 Grey metal 0 1 0 COAL, with a small metal band at 4 ins. from the top 0 6 Grey metal 0 1 0 Dark grey metal, scared with coal 0 0 4 In grey metal stone 0 4 0 4 Bored further:— Strata 15 3 4		0	1	5				
Grey metal stone, with post girdles 3 5 0 Grey metal 0 1 0 EOAL, with a small metal band at 4 ins. from the top 0 6 0 5 5 10 0 2 Dark grey metal 0 0 4 In grey metal stone 0 4 0 4 In grey metal stone 0 4 0 Eored further:— Strata 15 3 4								
post girdles 3 5 0 Grey metal 0 1 0 COAL, foul 0 0 4 Grey metal 0 1 0 Dark grey metal 0 0 0 4 In grey metal stone 0 4 0 Bored further :— Strata 15 3 4		0	0	6				
Grey metal 0 1 0 COAL, foul 0 0 4 Grey metal 0 1 0 Tal band at 4 ins. from the top 0 6								
Grey metal 0 1 0 5 5	post girdles	3	5	0				
Grey metal 0 1 0 5 5	Grey metal	0	1	0				
Grey metal 0 1 0 5 5	COAL, foul	0	0	4				
Dark grey metal, scared with coal 0 0 4 In grey metal stone 0 4 0 Bored further:— Strata 15 3 4		0	1	0				
Dark grey metal, scared with coal 0 0 4 In grey metal stone 0 4 0 Bored further:— Strata 15 3 4								
Scared with coal 0 0 4 In grey metal stone 0 4 0 0 4 4								10 0 2
In grey metal stone								
Bored further:— 0 4 4 71 1 2 Strata 15 3 4								scared with coal 0 0 4
Bored further:— 71 1 2 Strata 15 3 4								In grey metal stone 0 4 0
Strata 15 3 4								0 4 4
Strata 15 3 4								71 1 0
Strata 15 3 4								Bored further:
Carried forward 9 0 9 60 2 8 Total 86 4 6								
Carried forward 9 0 9 60 2 8 1 Total 86 4 6	0 1 6 1	-	_		-			m + 1
	Carried forward	9	0	9	60	2	8	Total 86 4 6

No. 1,717.—SEGHILL.

TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Account of Boring made in Seghill Estate, East of Cramlington Wagonway, near the Burn side. 1826.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Soil 0 4 6	Brought forward 3 2 8 15 1 10
Sand 0 4 6	Grey metal, mixed
Stony clay 5 3 11	with post and water 0 4 0
Brown post, with	White post 0 2 0
water 5 1 0	Grey whin $0.49\frac{1}{2}$
White post 2 2 8	White post $0 4 4\frac{1}{2}$
Blue metal 0 2 5	Grey metal, with thin
COAL 0 0 10	post girdles and
15 1 10	
	water 3 3 11
Grey metal, mixed	COAL, rather soft—
with white post	High Main Seam 0 4 2
girdles 0 4 8	10 1 11
Black stone 1 2 6	Dark grey metal, with
Grey metal, mixed	coal pipe scares 0 1 10
with post girdles 1 1 0	Grey metal 0 0 7
Whin girdle 0 0 6	0 2 5
Carried forward 3 2 8 15 1 10	Total 26 0 2

No. 1,718.—SEGHILL.

TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 2", Long. 1° 32' 54".

An Account of the Strata sunk through in the Engine Pit, Seghill Colliery. (From John Fryer's Account, which was taken from the original papers.)

Approximate surface level 130 feet above sea (Ordnance datum).

Outset 1 1 0 Blue clay 14 0 0 Freestone 0 0 6 Blue metal 1 0 0 COAL — High Main Seam 0 2 6	Brought forward Grey metal 0 4 9 Blue metal 0 4 6 Post girdle 0 4 6 Blue metal 0 4 7 Strong white post, with water 9 1 4
Blue metal 1 4 0 COAL 0 0 3 Grey metal 1 0 0 COAL 0 0 .5 Grey metal { 1 4 10 Strong white post 12 4 10	Bensham Coal— COAL 2 7 Black band 1 8 COAL 1 6 ———————————————————————————————————
Grey Seam— COAL 3 4 Blue band 0 6 COAL 3 4	post girdles and scares of whin 5 2 2 Whin girdle 0 0 5 Dark grey metal, with scares of post 0 4 7 Whin girdle 0 0 2 Dark grey metal 1 2 11 Whin girdle 0 0 2 Grey metal 0 4 3
Blue metal 0 3 · 3 · 3 COAL 0 0 5 Blue metal 0 2 · 6 Post girdle 0 1 · 2 Grey metal 1 2 · 11 Post 0 3 · 9 Grey metal 1 2 · 4 Whin girdle 0 1 · 4 Grey metal 0 0 · 4 Post girdle 0 0 · 2 Grey metal 0 0 · 2 Grey metal 0 0 · 2	Five-Quarter Seam— COAL 1 1 Dark grey metal 0 11 COAL 1 10 Dark grey metal 0 10 COAL 0 8 Dark grey metal 0 4 COAL 1 9
COAL — Yard Seam O D D D D	Dark grey metal, mixed with thin scares of post 0 2 1 Grey metal, with post girdles 0 2 4 Post girdle 0 2 0
Carried forward 49 0 3	Carried forward 1 0 5 71 1 9

^{*} Approximate sea level (Ordnance datum).

No. 1,718.—SEGHILL.—CONTINUED.

7					Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	T	U	5	71	1 9	Brought forward 83 0 101
Strong grey metal, with layers of whin						Grey metal 0 2 2 Post 1 1 10
and thin post girdles	0	2	9			Grey metal 1 1 10
Post girdle	0		9			Post 4 2 10
Dark grey metal, with	Ü	·	•			Grey metal 0 0 8
thin post girdles	0	3	6			Post 0 1 7
Whin girdle	0	0	11			Grey metal and post
Grey metal, mixed						girdles 0 5 4
with thin post gir-						Dark grey metal 0 2 11
dles	0	2	0			Dark metal and post
Dark grey metal	0	1	7			girdles 0 5 0
Black stone	0	0				Grey post 0 4 0
Grey metal	0	2	2			Grey metal and scares of post 0 2 4
Grey post girdle	0	õ	2			Grey metal 0 3 2
Dark grey metal,	Ŭ	Ŭ	_			Post 0 2 9
mixed with post	0	0	10			Dark grey metal 0 5 6
White post	0	0	2			Metal, with post 2 2 6
Dark grey metal,						Dark grey metal 0 4 5
mixed with scares			_			Dark grey metal and
of post	0	0	7			post 1 5 4
Post	2	2	2			Grey metal 1 2 6
T 36 1 0						White post 0 4 7 Grey metal and post 0 1 5
Low Main Seam—						Grey metal and post 0 1 5 Mild white post, with
Jet 0 2						water 5 0 10
Jet 0 25						Dark grey metal and
		,	0.1			girdles 3 5 5
	0	ð	85			
	-			7	$0 \ 2\frac{1}{2}$	Ft. In.
Depth of pit to						COAL, coarse 1 0 COAL, good 1 0
Low Main Sean	2			HO		00 nz, 500a 1
				70	$111\frac{1}{2}$	0 0 0
		•••		78	$1\ 11\frac{1}{2}$	0 2 0
Rared from the Thill		•••		70	1 1112	— 0 2 0 —— 29 5 6
Bored from the Thill of the Low Main		•••		78	1 1112	29 5 6
of the Low Main		•••		78	1 1112	
of the Low Main Seam:—		•••		78	1 1112	
of the Low Main Seam:— Sump—blue metal	2		6	78	1 1112	
of the Low Main Seam:— Sump—blue metal (sunk)	2 0	0		78	1 1112	
of the Low Main Seam:— Sump—blue metal (sunk) Blue metal	0		7	78	1 1112	Grey metal 1 1 11 Strong white post 1 4 0 Dark grey metal 2 5 7 COAL, foul 0 1 COAL, good 0 4
of the Low Main Seam:— Sump—blue metal (sunk) Blue metal	0 0	0 1 0 0	7 6 10	70	1 1112	Grey metal 1 1 11 Strong white post 1 4 0 Dark grey metal 2 5 7 COAL, foul 0 1 COAL, good 0 4 0 0 5
of the Low Main Seam:— Sump—blue metal (sunk) Blue metal Whin	0 0 0 0	0 1 0 0 2	7 6 10 8	70	1 1112	Grey metal 1 1 11 Strong white post 1 4 0 Dark grey metal 2 5 7 COAL, foul 0 1 COAL, good 0 4
of the Low Main Seam:— Sump—blue metal (sunk) Blue metal Whin Blue metal Grey metal Post	0 0 0 0	0 1 0 0 2 1	7 6 10 8 4	78	1 1112	
of the Low Main Seam:— Sump—blue metal (sunk) Blue metal Whin Blue metal Grey metal Grey metal Grey metal	0 0 0 0 0	0 1 0 0 2 1 2	7 6 10 8 4 11	78	1 1112	Grey metal 1 1 11 Strong white post 1 4 0 Dark grey metal 2 5 7 COAL, foul 0 1 COAL, good 0 4 0 0 5
of the Low Main Seam:— Sump—blue metal (sunk) Blue metal Whin Blue metal Grey metal Corey metal Whin Whin Whin	0 0 0 0	0 1 0 0 2 1	7 6 10 8 4	78	1 1112	
of the Low Main Seam:— Sump—blue metal (sunk) Blue metal Whin Blue metal Grey metal and post	0 0 0 0 0 0	0 1 0 0 2 1 2 1	7 6 10 8 4 11 7	78	1 1112	
of the Low Main Seam:— Sump—blue metal (sunk) Blue metal Whin Blue metal Grey metal Grey metal Grey metal Grey metal Grey metal and post girdles	0 0 0 0 0 0	0 1 0 0 2 1 2 1	7 6 10 8 4 11 7	78	1 1112	
of the Low Main Seam:— Sump—blue metal (sunk)	0 0 0 0 0 0 0	0 1 0 0 2 1 2 1 1 2	7 6 10 8 4 11 7 7	78	1 1112	
of the Low Main Seam:— Sump—blue metal (sunk) Blue metal Whin Blue metal Grey metal Grey metal Whin Grey metal and post girdles Blue metal	0 0 0 0 0 0	0 1 0 0 2 1 2 1 1 2	7 6 10 8 4 11 7			
of the Low Main Seam:— Sump—blue metal (sunk)	0 0 0 0 0 0 0	0 1 0 0 2 1 2 1 1 2	7 6 10 8 4 11 7 7	4		
of the Low Main Seam:— Sump—blue metal (sunk)	0 0 0 0 0 0 0	0 1 0 0 2 1 2 1 1 2	7 6 10 8 4 11 7 7			
of the Low Main Seam:— Sump—blue metal (sunk)	0 0 0 0 0 0 0	0 1 0 0 2 1 2 1 1 2	7 6 10 8 4 11 7 7			
of the Low Main Seam:— Sump—blue metal (sunk)	0 0 0 0 0 0 0	0 1 0 0 2 1 2 1 1 2	7 6 10 8 4 11 7 7			
of the Low Main Seam:— Sump—blue metal (sunk)	0 0 0 0 0 0 0	0 1 0 0 2 1 2 1 1 2 0	7 6 10 8 4 11 7 7	4		

No. 1,719.—SEGHILL.

TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 3′ 44", Long. 1° 32′ 24".

An Account of Strata sunk through in the Success Pit, Seghill Colliery.

Approximate surface level 130 feet above sea (Ordnance datum).

Soil and sand Fs. Ft. In. Fs. Ft. In. Strong blue clay, with	Brought forward 5 4 2 10 4 7 Black metal, with whin
large tumbling stones 5 0 0	girdles 2 2 0 COAL 0 1 3
Freestone, with whin and water 3 0 0 Blue metal, with a	Thill 0 3 0 Grey metal, with thin \(\) 2 1 0
COAL 1 4 0 0 0 7 10 4 7	girdles $0 0 1$ Black metal $0 0 4$ Blue metal $1 0 0$
Thill 0 3 0 Grey post, with part-	Strong grey metal stone 1 1 6
ings of blue metal and water 4 0 0 Strong white post,	High Main Seam— Ft. In. COAL, good 6 0
mixed with whin and water 1 1 2	COAL, foul 0 6 1 0 6
Carried forward 5 4 2 10 4 7	Total 25 0 5

^{*} Approximate sea level (Ordnance datum).

No. 1,720.—SETTLINGSTONES.

TOWNSHIP OF ALLERWASH, NORTHUMBERLAND.

Sheet 84 of Ordnance Map. Lat. , Long.

Fleetgate or West Frederick Shaft, Settlingstones Mines.

 ${\bf Approximate \ surface \ level} \qquad {\bf feet \ above \ sea \ (Ordnance \ datum)}.$

Clay and pla	ate						Fs.	Ft.	In. 0	Fs.	Ft.	In.
Freestone	•••	•••	•••		•••	•••	9	0	0			
Plate Limestone		***	***	•••	•••	***	4 5	0	0			
		***	***	•••	•••	•••		0	_	21	3	0
				Total						 21	3	0
				Local	* * *			• • •	_	21	0	

No. 1,721.—SETTLINGSTONES.

TOWNSHIP OF ALLERWASH, NORTHUMBERLAND.

Sheet 84 of Ordnance Map. Lat.

, Long.

Winter's Shaft, Settlingstones Mines.

Approximate surface level feet above sea (Orduance datum).

Fs.	. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Clay 32		Brought forward 79 1 6
Grey beds 8		Freestone 2 0 0
Limestone 1	0 0	Plate 7 3 0
Whetstone beds (al-		Limestone (so-called
tered shale) 0	3 0	Jew Limestone) 2 1 6
Great Whin Sill 25		Freestone 1 3 0
Whetstone beds (al-		Plate 2 0 0
tered shale) 5	3 0	Limestone 0 3 0
Plate 3		Freestone and plate
	1 6	(seven beds) 5 0 0
Plate 2	3 0	100 0 0
Carried forward 79	1 6	Total 100 0 0

No. 1,722.—SHEEPWASH.

TOWNSHIP OF SHEEPWASH, NORTHUMBERLAND.

Sheet 64 of Ordnance Map. Lat.

, Long.

Sheepwash Estate Borings, adjoining the River Wansbeck. First Hole, at the low end of James Boutflower's Farm. November 11th, 1749.

Approximate surface level feet above sea (Ordnance datum).

Clay		•••			 	Fs. 4	Ft.	In.	Fs.	Ft.	In.	
Stone	,				 	2	0	3				
Soft metal					 	0	3	0				
Stone					 	0	- 4	6				
Metal				***	 	3	5	0				
COAL		•••			 	0	1	0				
				-					11	5	3	
			Total		 		• 6 2		11	5	3	

No. 1,723.—SHEEPWASH.

TOWNSHIP OF SHEEPWASH, NORTHUMBERLAND.

Sheet 6	64 of Ore	dnanc	е Мар.	Lat.		,	Long	. 5			
Second Hole, ne	ar Anth	ony Ti	Vatson's Fi	Well, rst Ho	 316 ya le.	rds to	the .	Sout	h-we	est f	rom the
Approx	cimate si	arface	level	feet	above s	sea (O	rdnaı	nce d	latur	m).	
Clay Stone	•••	•••			•••	•		6	. Fs	Ft,]	în, 3
			Total	•••	•••	•••		٠ .	13	0	_ · 3 =
		1									
				,							
		No.	1,724	-SHI	EEPW	ASH	[,				
	TOWNS	HIP C	F SHEE	PWASH	. NORT	нимв	ERLA	ND.			
					_						
Sheet	64 of Or	dnan	ce Map.	Lat.		,	Long	•			
Third Hole, on	the midd	lle of		inny I Bank		above	the (Orch	ard	Fore	d, on th
Appro	ximate s	surfac	e level	feet	above s	ea (O	rdnar	ice d	atur	n).	
Clay Metal							0 .	$\begin{array}{ccc} 3 & 0 \\ 4 & 6 \end{array}$		Ft. I	n.
Stone Metal	•••	•••	•••	•••			0	1 6 5 2 4 2		0	4

Total

No. 1,725.—SHEEPWASH.

TOWNSHIP OF SHEEPWASH, NORTHUMBERLAND.

Sheet 64 of	Ordnance Map.	Lat.	, Long.

Fourth Hole, near the Rock that is in the water side at the head of the Long Trail.

Approximate surface level feet above sea (Ordnance datum).

Stone COAL, which is the Low Drift			Fs. Ft. In. Fs 8 0 0 0 1 0	Ft. In.
Total	•••	•	 8	3 1 0

No. 1,726.—SHERBURN.

TOWNSHIP OF SHERBURN, DURHAM.

Sheet 27	of Ordnance	Map.	Lat.	, Long.

Sherburn Borings. First Hole, in South-west corner of Field, about yards to the from Mr. Hopper's Farm House. September 22nd, 1828.

Approximate surface level feet above sea (Ordnance datum).

0.9							F8.	Ft.	In.
Soil			 	 0	0	6			
Blue and yellow st		y	 	 0	3	0			
Rough gravel and	water		 		3				
Stony clay			 	 _	5	-			
Whin tumbler			 		0	10			
Blue stony clay			 	 0	1	4			
						_	11	2	2
		Total	 				11	2	2

Abandoned on account of whin tumbler.

No. 1,727.—SHERBURN.

TOWNSHIP OF SHERBURN, DURHAM.

Sheet 27 of Ordnance Map. Lat.

Long.

Second Hole, about 2 feet West from the first Hole. October 6th, 1828. Approximate surface level feet above sea (Ordnance datum).

Soil	Fs.		In. F	s. Ft.	In.	Brought forward 22 0 0 13 0 6
Blue and yellow stony						Three-Quarter Seam—
clay	0	3	0			Ft. In,
Rough gravel	12	3	0			COAL 0 6
Stony clay	14	U	U			Grey metal 0 2
			- 1	3 0	6	COAL 0 3
						Dark grey me- tal 0 2
Post girdle	0	0	9	0		tal 0 2 COAL 0 2
Soft blue and brown	U	Ü				Grey metal,
metal, with scares						scared with
of red near the top	2	2	9			coal 0 8
Brown and grey						COAL 0 5
thready and gulletty						Grey metal,
post, and set away						scared with
the water, the air						coal first 5
raised more water						inches 1 3 COAL 0 2
near the bottom	4	4	0			Grey metal 0 2
Dun coloured whin	Õ	Õ	-			COAL 0 2
Brown post, with two						0 4 6
metal partings and						, , , , , , , , , , , , , , , , , , ,
a soft sandy parting						22 4 6
of 1 yard at 23½						Grey metal 0 0 2
fathoms down from top of hole	4	3	9			Five-Quarter Seam —
Soft metal and metal	-th	0	ð			COAL, foul
stone girdles, with						near the Ft. In.
water	1	5	4.			bottom 3 10
Grey metal stone, in-						0 3 10
clining to post, with						0 4 0
water	0	3	0			Grey metal 0 5 0
Soft brown post, with						Metal stone 2 1 0
metal partings and	3	0	0			Whitish grey post 0 5 6
Soft grey metal, with	o	U	U			Whin 0 0 4
scares of coal and						Grey post, with water 0 4 0
thin girdles near the						Blue metal 0 2 0
bottom	4	3	6			Whitish grey post,
						with water 1 1 2 Stony white post 1 4 0
						Whin 0 1 3
						White post, with a
						strong feeder of
						water at $47\frac{1}{2}$ fms 5 1 3
						13 1 6
Carried forward	22	0	0 13	2 0		Total 49 4 6
Carried forward	44	U	0 1	, ()	6	

Abandoned from having run together.

No. 1,728.—SHERBURN.

TOWNSHIP OF SHERBURN, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

Account of the Third Hole, about 500 yards South-east from the Second Hole.

Approximate surface level feet above sea (Ordnance datum).

 Soil
 ...
 ...
 ...
 ...
 0
 0
 4

 Blue and brown stony clay
 ...
 ...
 3
 2
 8

 Brown sand
 ...
 ...
 ...
 4
 2
 0

 Brown sand, post and sand, with water at bottom
 3
 3
 7

Total <u>11 2 7</u>

11

7

0

Abandoned.

No. 1,729.—SHERBURN.

TOWNSHIP OF SHERBURN, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

Account of the Fourth Hole, to South-east from Second Hole.

Approximate surface level feet above sea (Ordnance datum).

Blue and brown stony clay, mixed with sand ... Fs. Ft. In. Fs. Ft. In. Strong blue stony clay, mixed with a whin tumbler of 10 ins. at 6 fms. 6 ins. from top 5 4 0

Total 12 0 2

, Long.

Abandoned.

No. 1,730.—SHERBURN.

TOWNSHIP OF SHERBURN, DURHAM.

Sheet 27 of Ordnance Map. Lat.

Account of the Fifth Hole, about 500 yards North from the First Hole. Begun February 10th; finished October 17th, 1829.

Approximate surface level feet above sea (Ordnance datum).

Soil 0 0 6 Brown stony clay ... 0 2 0 Blue stony clay ... 17 5 6 ... 18 2 0

Carried forward 0 2 6 Carried forward 18 2 0

No. 1,730.—SHERBURN.—Continued.

	11	0.	1,4	00.			dieboliti, continues.				
	Fs.	Ft.	In.		Ft.	In.	Fs. F	t. In.	Fs.	Ft.	In.
Brought forward		_	_	18	2	0	Brought forward Strong white post 2	5 5	68	2	7
Soft sandy brown post	0	3	0					5 5			
Grey metal Brown and grey scared	U	o	U					4 0			
post, with metal							Whin 0				
partings, and set							Strong grey post 1				
away the water at							Soft dark metal 0	2 0			
27 fms	6	5	0				Ft. In.				
White and grey post,							COAL, brassy 0 7				
with brown part- ings and water at							coarse 1 3				
30 fms	5	0	4				COAL 0 5				
Grey metal stone	0	3	0					2 3			
Grey metal	0	0	8						7	3	8
Three-Quarter Seam-								0 6			
Ft. In.							White and grey post and beds of metal				
COAL, foul 0 5								9			
Grey metal 0 2							Whitish grey post,				
COAL, foul 0 2							with water at top 0	4 5			
Grey metal,							Grey post, inclining to				
coal 2 3								3 7			
COAL, foul 0 4							Blue grey metal, with girdles 0	4 0			
	0	3	4				girdles U	r U			
				14	5	4	COAL, foul 0 10				
Five-Quarter Seam—							Dark grey metal 0 4				
COAL 1 2							COAL 0 1				
Brass 0 2							0	1 3	5	2	c
COAL 2 0							Blue grey metal, with		9	4	6
	0	3	4					4 0			
	_	_		0	3	4	Ft. In.				
Grey metal	0	1	4				COAL 0 7				
Grey metal stone	7	1	0				Grey metal,				
Grey metal post, with							coal with $coal$ 1 4				
metal partings and water	1	0	0				COAL 0 5				
White post, with	_	·	·					2 4			
strong feeders of									2	0	4
water in several							Grey metal, scared				
places which rose to	-	0						8 (
within – fms. of top COAL, coarse, and	7	3	4				Grey metal stone, with thin girdles 2	2 3			
burns to red ashes—							Whitish grey post,	- 3			
Main Coal Seam	0	2	10				with thin girdles				
				16	2	6	the last 2 feet 5	3 6			
Grey metal	0	2	6				Hutton Seam-				
White post, with water	0	3	9				COAL 1 2				
Black metal	0	2	4				COAL, strong 4 4				
Grey metal stone, with							COAL, foul 0 4	. 10			
some post and thin whin girdles near							0 8	5 10	0	0	2
the top	16	3	2						9	0	3
Grey metal and metal			_				Grey metal, with a				
stone, with some							mixture of coal in the middle 0	8 (
scares of coal-	0	7111	0					3 0			
Maudlin Seam	0	1	8	18	1	5	and all all all all all all all all all al		0	3	8
				10	1	_			_		_
Carried forv	vard	1		68	2	7	Total		93	1	0
								=			=

No. 1,731.—SHERBURN.

TOWNSHIP OF SHERBURN, DURHAM.

Sheet 27 of Ordnauce Map. Lat. 54° 46' 37'', Long. 1° 28' 41''.

An Account of Strata sunk through in the East and West Pits, Sherburn Hill Colliery. 1835.

Approximate surface level 390 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft. 1	In.	Fs. Ft. In. Fs. Ft. In.
Soil	0	1	0				Brought forward 6 4 6 53 4 4
Blue clay	7	2	0				9 64 3 2
Loamy clay, with saud		1	1				Soft grey metal stone $\begin{cases} \frac{4}{8} & \frac{3}{2} & \frac{2}{8} \end{cases}$
Strong blue clay	7	3	ō				Post stone, with water 5 1 10
Strong blue clay	•	U	-				
				15	1	1	Blue stone 0 4 2
							COAL - Low Main
Freestone	19	4	4				Seam 0 3 1
Soft blue stone	1	4	4				
Grey metal	0	2	0				25 4 11
COAL—3/4 Seam	Õ	õ	5				
COAL—5/4 Beam	U	U	_				Soft dark thill stone 0 0 9
	_			21	5	1	
							Strong grey metal
Black slaty stone	0	1	1				stone 5 0 3
Thill stone, mixed with							Dark blue stone 0 2 0
ironstone	0	1	4.				COAL—Brass Thill
Houstone	v	-	T				Seam 0 0 7
Five-Quarter Seam -							5 3 7
Ft. In.							
COAL, good 3 8							Dark grey metal stone 1 5 0
COAL, bot-							
tom 0 7							
111 O			_			-	Dark grey metal stone 0 1 8
	0	4	3				COAL 0 0 10
				1	0	8	Grey metal 0 5 11
				-	·	_	
Thill stone	0	2	4				
Grey metal stone	4	0	4				Hutton Seam-
	0	3	0				Ft. In.
Jointy post girdle			4				COAL, good 4 4
Grey metal stone	1	2					COAL, bot-
Post girdle (broke)	_	1					tom 1 2
Grey metal stone	0	3	8				
Post stone, mixed with							0 5 6
whin and water	8	1	10				
COAL, bad - Main							4 1 5
Coal Seam	0	0	6				
Coat Beam	U	U					
			-	15	3	6	
Thill stone	0	3	6				
Black stone	0	2	2				
Grey metal	4	3	4				
Strong grey metal	-	Ū	_				
, 5 5	1	1	6				
stone	1	T	O				
C: - 3 . C 3	-	1	C	53	1	1	Total 89 2 3
Carried forward	n	4	n	กก	4	4	10001 00 2 0
	U	-1	•	-			

^{*} Approximate sea level (Ordnance datum).

No. 1,732.—SHERBURN.

TOWNSHIP OF SHERBURN, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 46′ 41″, Long. 1° 30′ 38″.

An Account of Strata sunk through in the Upcast Shaft, Lady Durham Pit, Sherburn Colliery. October 7th, 1873.

Approximate surface level 280 feet above sea (Ordnance datum).

		Ft.	In. Fs.	Ft. In	1.	Fs. Ft. In. Fs. Ft. In.
Soil	0	1	0			Brought forward 34 3 11
Sand, with water	0	1	0			Strong grey metal,
Strong blue clay	2	$\frac{2}{1}$	0			with post girdles
Sand	0	1	0			and water 1 1 6
Loamy clay	1					Strong white post,
Sand, with water	0	3	0			mixed with whin 1 2 0
Strong blue clay	2	0	0			Strong grey metal,
Sand, with water	1		0			with post girdles
Strong stony clay	1	2	0			and water 3 2 0
Sand		1				COAL 0 0 6
Strong stony clay	7	0	0			6 0 0
Loamy clay	0	4	6			Strong grey metal,
Strong stony clay	1	3	0			with post girdles 1 3 0
Strong brown clay	1	3 2 2	6			COAL 0-0 8
Strong stony clay		2	0			Black shivery metal 0 2 2
0 1 1	_		21	2	0	COAL 0 0 5
Soft metal stone	0		4			2 0 3
Broken freestone	1	3	0 .			Black shivery metal 0 0 7
Black metal stone	0	1.	4			Strong grey post 1 0 6
Grey metal thill stone	0		6			Grey metal, with post
Grey metal, with post						girdles 1 0 2
girdles	4	0	0			Dark grey metal, with (1 4 7
Grey post	2	0	10			post girdles \ 1 5 10 *
Grey metal		5	0			COAL—Hutton Seam 0 4 6
Strong white post		1	0			6 4 2
COAL - Low Main						
Seam	0	2	11			
			— 13	1 1	1	
					-	Total 40 9 4
Carried forv	var	d	34	3 1	1	Total 49 2 4

^{*} Approximate sea level (Ordnance datum).

No. 1,733.—SHERBURN.

TOWNSHIP OF SHERBURN, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 46′ 38″, Long. 1° 30′ 4″.

Account of Strata bored through from a point 20 fathoms below the Hutton Seam and at about 30 chains due East of Lady Durham Pit, Sherburn Colliery.

Approximate level 136 feet below sea (Ordnance datum).

Strata Grey metal			20	0		Ft.	In.	Brought forward Grey post	22		4	Fs.	Ft.	In.
Carried	forwar	d	22	0	4			Carried forward	23	1	4			

No. 1,733.—SHERBURN.—CONTINUED.

					1						-
		In. Fs.	Ft.	In.	D 1/6	Fs.	Ft.	In.		Ft.	
Brought forward 23	1	4			Brought forward				57	5	0
Grey metal, with iron-					Grey metal, with post						
stone girdles 3	5	7			girdles Bastard white post	5	5	4			
Bastard post, with					Bastard white post	0	5	0			
metal partings 0	4	0			Mild white post, with						
Mild grey post, with					partings	Ω	5	11			
Milit grey post, with	E	0			Whin	0	3	11			
metal partings 8	ย	0				U		U			
Hard grey post, with					Strong white post,						
metal partings and	_				with coal pipes and		_	_			
ironstone girdles 5	2	0			metal partings	5	3	5			
Hard white post 6	1	5			Dark snappy metal,						
ironstone girdles 5 Hard white post 6 Dark metal 0 COAL 0	0	2			with post girdles	2	5	6			
COAL 0	2	4			Hard white post, with						
		48	A	6	metal partings and						
			4	0	ironstone girdles	2	3	4			
Grey metal thill 0 White post, with water 7	2	6			Very hard grey bastard	_	•	-			
White nost with water 7	- 1	9			post	Ο	4:	6			
Grey metal 0	5	10			Mild amore part	0	-36	4			
	0	10			Mild grey post Dark grey metal Light grey metal	1	0	4			
COAL 0 2					Dark grey metal	T	Ţ	8			
					Light grey metal	T	2	9			
Black stone,					Hard white post	0	3	10			
mixed with									23	5	
coal 2 3									20	0	
0	2	5									
	_			0							
-		9	0	6							
Carried forwar	rd	57	5	0	Total below the Hutt	on i	Sea	m	80	4	7
5421104 101 114								=		_	=

No. 1,734.—SHERBURN.

TOWNSHIP OF SHERBURN HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 45' 44'', Long. 1° 30' 10''.

Account of a Boring in Sherburn Estate, about 87 yards from the Four Lane Ends, near Byers Garth Farm, in a South-east direction. September 7th, 1841.

Approximate surface level feet above sea (Ordnance datum).

1	Soil Dry sand Brown c	d lay,	 mixed	with	sand			 0 1 4	5 1	8 0 0			In.	
	Sand, wi	ith a	strong	feed;	er of Tota		17 fatl	10		_	17 *17	0	0	

^{*} Approximate sea level 200 feet below this.

No. 1,735.—SHERBURN.

TOWNSHIP OF SHERBURN HOUSE, DURHAM.

TOWNSHIP OF SHERBURN HOUSE, DURHAM.
Sheet 27 of Ordnance Map. Lat. , Long.
Bored in the Second Hole, about 100 yards from the First. September 28th, 1841.
Approximate surface level feet above sea (Ordnance datum).
Soil and gravel 2 3 0 Sand, with water 0 0 8 Gravel 0 4 0 Clay 1 2 0 Sand and gravel 2 2 0 Sand, with water in 7 2 4
Total 14 2 0
No. 1,736.—SHERBURN.
TOWNSHIP OF SHERBURN HOUSE, DURHAM.
Sheet 27 of Ordnance Map. Lat, Long.
Bored in the Third Hole, yards North from the Second. October 1st, 1841. Approximate surface level feet above sea (Ordnance datum).
Soil and gravel
Total

No. 1,737.—SHERBURN.

TOWNSHIP OF SHERBURN HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

Bored in the Fourth Hole, near Mr. Jordison's House. October 6th, 1841.

Approximate surface level feet above sea (Ordnance datum).

										_
	Fs.	Ft.	In. Fs. Ft. In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0	Brought forward	20	2	0		_ •,	
Brown stony clay	7	0	0	Soft brown and grey						
Brown sand	0	1	6	post	0	1	6			
Red clay	0	3	6	Brown sand and gravel	1	0	0			
Brown freestone tum-				Black sand, mixed with						
bler	0	3	0	coal	0	1	0			
Dry gravel	1	0	0	Sand, mixed with clay						
Brown loamy sand	8	3	0	and stones	2	3	6			
Stony brown clay Soft brown sand	2	0	6	Black metal stone						
Soft brown sand	0	1	6	In dark grey metal	0	0	8			
					_			24	4	0
	_									
Carried forward	20	2	0	Total				24	4	0
0211130 201 11010							=	_		

No. 1,738.—SHERBURN.

TOWNSHIP OF SHERBURN HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

Approximate surface level

Bored in the Fifth Hole, in a Small Stubble Field near to the South side of Shadforth Beck. November 1st, 1841.

feet above sea (Ordnance datum).

M

Fs. Ft. In. Fs. Ft. In. Fs. Ft. In. Fs. Ft. In. Soil 2 0 Brought forward 8 4 0 Brown stony clay 0 2 0 5 0 Brown sand 1 6 Loose gravel, with Grey metal ... 0 0 water Strong brown and grey Strong brown stony post 0 clay Strong grey and brown 0 3 Loose metal, with mix-0 3 post, with water ... ture of coal Soft brown post 0 0 9 Freestone ramble Black metal .. 0 1 0 0 1 6 0 3 Black and brown In grey metal ... gravel - 11 1 0 1 6 Brown freestone tumbler 0 3 5 9 Carried forward 8 4 Total ...

No. 1,739.—SHERBURN.

TOWNSHIP OF SHERBURN HOUSE, DURHAM.

Sheet 21 of Ordi	Ittillo Like	р. шин		,	.0.	
			•			
			_			

Bored in the Sixth Hole, in a Grass Field yards South-east of the Fifth Hole.
November 11th, 1841.

Approximate surface level feet above sea (Ordnance datum).

			Fs.	Ft.	In. Fs. Ft. In.
Brown stony clay	 	 	 2	3	0
Brown sand, with		 	 2	2	0
Brown clay	 	 	 0	3	5
Freestone ramble	 	 	 0	5	0
Sand, with water	 	 	 5	2	0
Loamy sand	 	 	 0	5	0
					70 0 5

Total <u>12 2 5</u>

No. 1,740.—SHERBURN.

TOWNSHIP OF SHERBURN HOUSE, DURHAM.

Sheet 27	of Ordnance	Map.	Lat.	2	Long.

Bored in the Seventh Hole, in a Grass Field, about 100 yards from Shadforth Beck. December 6th, 1841.

Approximate s	urface	level	feet above sea (Ordnance datum).							
Soil Sand						Fs. Ft. In. F 0 0 6 1 0 0	s. Ft. In.			
Dry gravel	***			•••		$\begin{array}{cccccccccccccccccccccccccccccccccccc$				
Sand, with water	• • •			•••	•••	0 1 6	•			
Brown stony clay Sand, with water	•••	•••		***	• • •	$\begin{array}{cccc} 0 & 2 & 0 \\ 4 & 1 & 0 \end{array}$				
Blue leafy clay	•••					0 3 10				
Blue stony clay		***		•••	***	0 4 4				
							8 3 2			
		Total			**)		8 3 2			

No. 1,741.—SHERBURN.

TOWNSHIP OF SHERBURN HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 46′ 3″, Long. 1° 30′ 3″.

Account of Sherburn House North Pit.

Approximate surface level 305 feet above sea (Ordnance datum).

	Fs. Ft. 1		Ft. In.	Fs. Ft. In. Fs. Ft. In.
Sandy soil	0 2	6		Brought forward 43 3 3
Gravel and sand, with				Thill stone 0 0 6
water	2 3	0		Grey metal, mixed
Soft brown clay	0 2	6		with post girdles 0 4 8
Sand and water	4 0	6		Strong post stone 1 0 0
Stiff strong clay	0 3 1	0		Grey metal 0 0 8
Soft blue stone, with				Strong post and whin 0 5 6
iron balls	0 5	2		Grey metal 2 3 0
Brown and white free-				Dark grey metal, 1 5 5
stone, jointy	1 0	2		jointy { 0 4 9 *
Blue stone	$\tilde{2}$ $\tilde{1}$	0		Joiney (() 4 9
Freestone	4 0 1	-		
Blue stone	0 5	0		Brass Thill Seam—
T 1 1 0 1	1 0	0		Ft. In.
	0 1	0		COAL 0 6
Blue stone		0		Thill stone 1 3
Grey post stone		-		Dark blue
COAL—5/4 Seam	0 1	3	0 0	stone 1 0
(0) 133		- 20	2 9	COAL 0 5
Thill stone	0 4	0		
Soft grey metal stone	6 0	9		0 3 2
Soft grey metal stone,				8 3 8
with water	1 3	0		
COAL, coarse	0 1	0		Thill stone 0 2 4
	-	- 8	2 9	111 111 111
Thill stone	0 4	0		Strong post stone and
Blue stone	1 5	0		whin 1 4 0
Grey metal	0 3	0		Dark grey metal 1 2 8
Strong post	0 5	0		Post girdle 0 0 10
COAL, coarse	0 0	4		Grey metal 0 4 0
		_ 3	5 4	Post girdle 0 0 8
Thill stone	0 1	6	0 1	Grey metal 0 1 2
Dark grey metal	3 0	8		Post girdle 0 1 1
0		7		Grey metal 0 2 6
01 . 1 1		9		Post girdle 0 1 3
	0 0	1		Grey metal 0 2 2
Black slaty band	0 0	1		COAL—Hutton Seam 0 4 1
Low Main Seam-				
Ft. In.				6 2 9
COAL, good 0 7				· ·
COAL, splinty 0 2				
COAL, good 1 6				
COAL, rather				
coarse 0 7				
0	0 2 1	10		
		-· 10	4 5	3
		. 10	¥ 0	
Carried for	word	43	3 3	Total 58 3 8
Carried 10F	waru	43	0 0	

^{*} Approximate sea level (Ordnance datum).

No. 1,742.—SHERBURN.

TOWNSHIP OF SHERBURN HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat.

, Long.

Bored in Sherburn House Pit. November 17th, 1842.

Approximate surface level 305 feet above sea (Ordnance datum).

Sunk to the scaffold Square box	Fs. Ft. In. Fs. Ft. In. 22 0 0 5 3 0	Brought forward 2 3 8 44 1 10 White post, mixed
Grey metal stone, with		with whin 0 2 0
post girdles		Grey metal stone 5 2 0
COAL, foul	2 0 1	COAL Ft. In.
Grey metal stone	3 5 8	Grey metal 2 4
COAL		COAL 0 4
Grey metal stone, set	4 0 1	0 3 2 $$ 8 4 10
away the water		Grey metal 0 2 8
about 7 ins. below		Grey post 1 1 0
the 5 ins. of coal	3 3 0	Whin 0 1 10
Strong grey post, with	C 1 1	Grey post 0 1 0
whin girdles Dark metal, scared	0 4 4	Grey metal stone 2 3 10 Whin 0 0 7
with coal	0 0 6	Grey metal stone, with
COAL, strong—Low		strong post girdles 1 0 7
Main Seam		COAL—Hutton Seam 0 4 6
	10 4 8	Grev metal 0 0 7
Grey metal		Grey metal 0 0 7 Grey post 0 0 6
Grey metal stone Strong grey post	$\begin{array}{cccc}0&5&0\\1&4&0\end{array}$	——— 0 1 1
butong giej post		
Carried forward	2 3 8 44 1 10	Total 59 5 9

No. 1,743.—SHERIFF HILL.

TOWNSHIP OF GATESHEAD, SOUTH WARD, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 55′ 50″, Long. 1° 34′ 25″.

Account of Strata sunk through in the Isabella Pit, Sheriff Hill Colliery.

Approximate surface level 510 feet above sea (Ordnance datum).

Soil and clay		Fs. 4			Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 18 0 8	
Grindstone post		10	0	0				Thill 0 2 4	
Blue metal stone		2	0	0				White post 4 2 4	
Grey metal stone								COAL 0 0 8	
COAL								4 5 4	ď
					18	0	8		
					_				
Carried	forv	ware	d		18	0	8	Carried forward 23 0 0)

No. 1,743.—SHERIFF HILL.—CONTINUED.

Rwone	ht forwar	Fs.	Ft.	In.			In. O	Fs. Ft. In. Fs. Ft. In. 71 5 9
Thill			5	0	20	U	U	(III) 1 1 0 0
Strong whit		_	4	0				Grey post 1 2 0
Blue metal		_	1	0				Grey metal stone 0 1 0
Grey post		_	5	2				Grey post 1 4 7
White post		. 0	1	4				COAL 0 1 7
Blue metal:	stone	. 0	2	8				5 2 2
White post			4	3				Thill 0 4 0
Blue metal			0	0				Blue stone, mixed with
COAL		0	1	8	_	_		thin girdles 0 3 0
(1)1 +111					5	1	1	COAL 0 1 3
Thill		^	0	4				1 2 3
White post		^	1	0				Thill 0 1 0
Blue metal		^	5	8 2				Strong white post and
COAL	•••	. 0	1	Z	1	2	2	parting 1 2 0
Thill		. 0	4	0	1	4	2	Strong grey metal 2 1 0 Mixture of whin and
Scamy post	rirdles an		-16	U				0.00
	il stone		1	6				Strong grey metal 1 5 0
COAL		^		10				
					11	1	4	Whin $\left\{ \begin{array}{c c} 0 & 2 & 10 \\ \hline 0 & 1 & 8 \end{array} \right. *$
Thill		. 0	1	1		_	-	Blue metal and iron-
Post, mixed			$\tilde{3}$	ō				1 11. 0 4 4
Blue meta								
	th post		0	7				Yard Seam or High
White post			3	0				Main Coal of
COAL		. 0	2	0				Wear— Ft. In.
					18	3	8	Band 0 11
Grey metal			0	2				
Black stone		. 0	3	9				COAL, grey 0 10 COAL, good 0 11
Grey metal				3				Band 0 1
Grey metal		. 0		8				COAL, bot-
White post	girdles	. 0	0	7				tom 2 3\frac{1}{4}
		. 2		6				1 1 01
Grey metal		. 0		0				$\frac{1}{11} 2 10\frac{1}{4}$
Grey post	***	. 0	4	3				Thill and grey metal 0 4 0
High Main	Seam-							White post 0 3 0
	Ft. 1	ſ'n						Grey metal, with whin
COAL		4						girdles 1 5 0
Band		$0\frac{1}{3}$						Black stone 0 2 6
COAL,	top 2	9						Grey metal, with whin
Band	0	7						girdles 4 3 6
COAL,c		5						Whin 0 1 0
COAL,		7						Grey metal stone, with
		$0\frac{1}{2}$						hard girdles 2 2 3
COAL,		0						Bensham Seam—
tom	1	2	_	11				Ft. In.
		- 0	Э	11				COAL, top 1 6 Band 0 01
					7	1	1	COAL 0 111
Thill		. 0	5	0				COAL, seary 0 3
Blue metal	,	. 1						Band 1 7½
Grey metal		. 0						COAL 1 52
Grey post		1						Band 0 $0\frac{1}{2}$
Grey metal			3					COAL 0 6
COAL		0	0	5				1 0 4
		_			5	2	5	11 3 7
	~				-			
	Carried	forw	ard		71	5	9	Carried forward 101 4 74

^{*} Approximate sea level (Ordnance datum).

No. 1,743.—SHERIFF HILL.—CONTINUED.

	Fs. Ft. In. 1		70 110	Fs.	Ft. In.		
Brought forward		$01 \ 4 \ 7\frac{1}{4}$	Brought forwa			111	4 54
Thill	$0 \ 2 \ 0$		Grey post	0	4 0		
Grey metal girdles	1 2 0		White post	0	3 0		
White post			Grey post	0	5 0		
Whin and post mix-			TYTE TO	0	4 0		
ture	0 4 0		O O A L	0	0 9		
Grey metal	0 0 0					0	
Blue stone						3	4 9
COAL-6/4 Seam			Thill	0	2 5		
OOAL Deam	0 7 1		TYPE ALL	1	5 10		
		5 3 10	Whin and post mi				
Thill	0 1 10			1	2 0		
Grey metal	0 2 6		XX72 ***	0	4 0		
White post	0 " 0			0	4 0		
Whin	0 7 0		0 0 00	0	1 5		
				0	1 5		
					3 3		
Grey metal	0 3 2				2 2		
COAL—5/4 Seam	0 5 2				2 2		
		4 2 0	COAL - Low Ma	Å			
Thill	0 1 6		Seam	0	5 2		
	0 3 0					7	1 8
Blue stone							
Grey metal	0 1 6						
Carried forward	1 0 01	$11 \ 4 \ 5\frac{1}{4}$	Total			122	4 10
		-			=		

No. 1,744.—SHERIFF HILL.

TOWNSHIP OF GATESHEAD, SOUTH WARD, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 55′ 34″, Long. 1° 34′ 10″.

Account of Boring from the Low Main Seam, in the King Pit, Sheriff Hill Colliery.

Approximate surface level 490 feet above sea (Ordnance datum).

	Fs.	Ft.	In. Fs.	Ft. In.				In. F			
Sunk to the Low				-	Brought forward			130	0 :	2 1	03
Main Seam			122	4 104	Thill	1	0	0			
Thill	0	3	0		White post	2	3	0			
White post					Whin:.						
Black stone					White post	1	1	71			
Thill	0	3	0 .		Grey metal						
Black stone, mixed						0					
	0	1	6		Blue metal, mixed						
Thill	0	3	6		with post girdles	1	3	0			
Grey metal stone					Blue metal, with iron-						
Post girdles					stone girdles	1	3	5			
White post					COAL	0	0	5			
Blue metal stone								8	3 4	4 1	01
COAL					Thill	0	1	4			-2
				4 01	Grey metal	0	2	0			

Carried for	ware	1	130	2 103	Carried forward	0	3	4 13	9	1	9
Carried 101		-	~00	4				7.10		-	

No. 1,744.—SHERIFF HILL.—CONTINUED.

Broug	ht forw	ard	0	3	4	Fs. 139			Brought forward Fs. Ft. In. Fs. Ft. In. 143 3 5
Thill			0	1	3				Black stone 0 1 6
Grey metal				3					Post girdle 0 1 6
Dark grey	metal				0				Grey metal, with post
White post				3					girdles 0 5 0
Whin				1				L	Blue metal 0 3 0
Blue metal			0	1	3				Beaumont Seam-
Girdle			0	0	9				Ft. In.
White post			1	0	0				COAL, top 2 2
Blue metal			0	3	0				Band 0 8
COAL			0	0	4				COAL, good 1 0
			_			4	1	8	0 3 10
									2, 2 10
								_	
	Carrie	d for	war	d	1	43	3	5	Total 146 0 3

No. 1,745.—SHERIFF HILL.

TOWNSHIP OF GATESHEAD, SOUTH WARD, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 56' 8'', Long. 1° 34' 57''.

Account of Strata sunk through at the Fanny Pit, Sheriff Hill Colliery, on Gateshead Fell.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In.	Fs.	Ft. 1	In.
Shiver and blue slate		52	4	0
thill 3 0 0	COAL — Metal Coal			
White flag post 2 0 0	Seam 0 1 2			
Grindstone sill 11 0 0		7	1	2
White post plate 1 3 0	White post 4 1 10			
Blue plate 1 0 0	COAL - Stone Coal			
Grey post plate 1 3 0	Seam 0 3 0			
Blue plate 1 0 0		4	4]	10
Whin plate 1 3 0	Black stone 1 5 0			
Blue sill 1 0 0	COAL, bandy 0 0 6	_	_	
White post 3 3 0		1	5	6
COAL-3/4 Seam 0 2 3	White post 4 3 6			
27 2 3	Blue plate 2 3 0			
	Black plate 0 1 6			
White post 5 1 0	COAL—Little Coal			
Grey post 1 0 0 Dun post 6 0 0	Seam 0 0 6	-	0	0
F		7	2	6
	Grey sill 2 0 0			
F	COAL Yard Seam 0 3 0		3	0
Seam 1 0 0	11 0 0	2	3	U
Seam 1 0 0 25 1 9	White post 11 3 0			
	COAL — Bensham			
Grey post 6 0 0	Seam 0 3 3	12	0	3
Metal plate 1 0 0		12	U	J
	0 1 1 2 1	00	3	3
Carried forward 7 0 0 52 4 0	Carried forward	88	3	9

No. 1,745.—SHERIFF HILL.—CONTINUED.

			_	-	271	-	Fs. Ft. In. Fs. Ft. In.
Brought forward		Ft.		Fs. 88			Brought forward 102 0 0
Brought forward	Λ	3	9	00	U		White post 5 0 0
Blue plate {	1	2			_	*	COAL-Low Main
0041	T		_				Seam 1 0 6
COAL, bandy	U	0	9				6.0.6
				2	0	9	6 0 6
		_	_				
White post Blue plate	5	Z	0				Darkish white sill 0 1 0
Blue plate	0	3	U				White post 3 5 6
COAL-6/4 Seam	T	0	3				COAL-2/4 Seam 0 1 6
				6	5	3	4 2 (
	_	_					
Grey whin post COAL—5/4 Seam	1	5	7				White post sill 21 0 6
COAL—5/4 Seam	0	3	2				COAL—Harvey's Low
	_			2	2	9	Main Seam 0 3 0
Grey post	1 0	5	3				21 0
COAL, bandy	0	0	9				
				2	0	0	
Carried for		d		102	0	0	Total 134 0
Carried 101	wai	u		102	U	0	100at 13± 0

^{*} Approximate sea level (Ordnance datum).

No. 1,746.—SHERIFF HILL.

TOWNSHIP OF GATESHEAD, SOUTH WARD, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 56' 2'', Long. 1° 35' 27''.

Section of the Several Seams of Coal, as they lie below each other in the Doll Pit, Gateshead Fell.

Fs. Ft. In. Fs. Ft. In. Strata 33 3 8	Brought forward Fs. Ft. In. Fs. Ft. I 48 0
Upper Main Coal	Strata 9 4 2
Seam— Ft. In. COAL 2 10 Stone 0 4 COAL 2 2 — 0 5 4 Strata 7 4 2	Yard Coal Seam— Ft. In. COAL (Little Coal) 1 10 Stone 3 0
COAL — Metal Coal Seam 0 1 10 Strata 5 1 6 COAL — Stone Coal Seam 0 1 6 5 3 0	COAL (Yard 3 0 1 1 10 10 3 3
Carried forward 48 0 0	Carried forward 10 3 3 59 0

No. 1,746.—SHERIFF HILL.—CONTINUED.

Brought forward 10 3 3 59 0 0 Bensham Seam— Ft. In. COAL 1 5 Stone 0 4 COAL 1 0 ——————————————————————————————————	Brought forward Five-Quarter Seam— Stone 0 4 COAL 3 2
Strata $\left\{ \begin{array}{ccc} 0 & 5 & 0 \\ \hline 10 & 5 & 0 \end{array} \right. *$	Strata 7 1 6 COAL—Low Main
Six-Quarter Seam—	Seam 0 4 6
COAL 1 10 COAL, cannel 1 2 Stone 0 2	8 0 0
COAL 1 4	
$\frac{046}{1226}$	
Carried forward 82 2 6	Total 91 0 0

* Approximate sea level (Ordnance datum).

No. 1,747.—SHIBDON.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 2 of Ordnance Map. Lat. , Long.

Account of a Borehole in a Second Place to the North-east of the other in East Shibdon, by Andrew Wake.

Wreck and water 3 3 0 Sand 0 3 0	Brought forward 24 1 0 A parting, with water 0 4 6
Gravel, with water 1 0 0	White post 0 0 2
Fine brown clay, with	COAL, black Ft. In.
sand 15 0 0	danty 0 2
Sand 0 3 0	COAL 2 10
Sand, with clay 0 3 0	0 3 0
Sand, with water 0 3 0	25 2 8
Stony blue clay 0 1 0	Grey thill 0 1 10
White and grey post 0 4 0	Grey stone, with post
Soft parting, water goes away	girdles and water 3 2 3 Strong white post
Soft grey stone, with	girdle 0 1 4
open gullets	Blue stone 0 3 0
White post, with open	Post girdles 0 1 10
parting 1 2 0	Left off in white post 1 0 3
	5 4 6
Carried forward 24 1 0	Total <u>31 1 2</u>
	N

No. 1,748.—SHIELD ROW.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

An Account of Boring at Shield Row, in the Royalty of Geo. Bowes, Esq. May, 1729. Approximate surface level feet above sea (Ordnance datum).

inpproximate surface 1915										
Fs. Ft. In. Fs. Ft. In. Black and grey post	Brought forward 3 0 4 14 0 4									
girdles 1 0 0 Soft black metal 2 3 0	Strong grey post girdles, with water 3 0 0 Grey metal stone, with									
Grey metal 0 0 4 3 3 4	post girdles 3 1 0 COAL 0 0 8									
Brown post 1 0 0 Open brown post, set	Grey metal, scared									
away the water 1 3 0 Soft open post 3 3 0 Soft brown post 0 3 0	with coal 0 1 0 Grey metal stone, with									
Upper Main Coal	water 3 0 0 Grey metal stone 2 0 0 Soft black and grey									
Seam— Ft. In. COAL 4 0 Black metal 0 4	metal, scared with									
COAL 1 8 1 0 0	White post 0 3 0 COAL—Hard Coal									
White grey metal $\dots \frac{1}{1} \begin{array}{cccccccccccccccccccccccccccccccccccc$	Seam 0 4 11 6 5 11									
Black slaty stone 0 0 4 Grey metal, with gir-	•									
dles 2 0 0 Carried forward 3 0 4 14 0 4	Total 30 2 3									
Carried forward 0 0 4 14 0 4										

No. 1,749.—SHIELD ROW.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Bored in the Stone Drift, Gill Pit, Shield Row. 1735.

White and grey post Fs. Ft. In. Fa	s. Ft. In. Brought forward 5 1 7
girdles, blue scamy partings, and water 3 0 0	COAL 4 0
Open white post, with much water 1 2 9	Black metal 0 3
Grey scamy post 0 2 0 Stony sandy post 0 2 6 Grey metal stone 0 0 4	
	Grey metal 0 0 9
Carried forward 5 1 7	Total $\frac{6 \ 2 \ 7}{}$

No. 1,750.—SHIELD ROW.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Section of Strata at Shield Row Colliery.

	P1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					-		(oranine).
Earth and c			Fs. 1 2	Ft. 0 0	0	Fs.	Ft.	In	Brought forward Fs. Ft. In. Fs. Ft. In. Grey post, with some
Grey metal			3	3 0	0 10	6	3	10	blue stone 14 0 0 COAL 0 1 6 14 1 6
Grey metal			9	$\frac{0}{2}$	0	3	2	0	Grey metal 7 3 0 COAL 0 0 6 7 3 6
Grey metal			8	4 0					Grey metal, with post girdles 3 3 0
Grey metal White post	and	post	7 2	4	0 2	8	4	8	Grey metal stone, with 3 5 0
Shield Row		m— Ft. In. 4 6							white post 5 3 0 COAL 0 0 6
Band COAL		0 9	,	0					Grey metal 2 0 0 Ft. In. COAL 0 9
Grey metal,	with	post	$\frac{1}{14}$	0	3	29	3	11	COAL 1 6 0 2 3 2 2 3
Five-Quarte	1	Ft. In.							Blue metal, with white post 6 3 0
Grey met	al	0 10 1 0 4 10							Busty Bank Seam— Ft. In COAL 0 6
Grey metal			$\frac{1}{2}$	$\frac{0}{0}$	$\frac{8}{0}$	15	0	8	Blue stone 2 0 COAL 3 0
Seam	rass		0	5	3	2	5	3	Blue stone 0 6 COAL 2 10 1 2 10
Grey metal, post White post,			9	0	0				Blue and grey metal 6 2 0 7 5 10
grey meta	ıl			0	0 6	29	0	6	Brockwell Seam— Ft. In. COAL 0 7
White post		 Coal	1 0	3	0 9	20	U	U	Blue stone 3 6 COAL 1 3 Grey metal 0 2
Blue metal	stone		6	0	0	1	4	9	COAL 1 10
Seam			0	3	6	6	3	6	7 3 4
	Carri	ed for	war	d		85	0	7	Total <u>134 1 6</u>

No. 1,751.—SHIELD ROW.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Bored in the Level Pit, at Shield Row, from the Hard Coal Seam.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. Fs
Hard Coal Seam 22 1 0 Grey post 0 1 3 White post 0 3 9 Grey post 0 1 2 White post 0 3 9 Grey post 0 0 4 White post 0 3 9 Grey post 0 0 6 White post 0 0 4 Grey post 1 2 5 Grey post 1 2 5 Grey post 1 2 5 Grey post 1 2 0 Grey post 4 1 4 Grey post 1 2 0 Grey post 4 1 4 Grey post 1 2 0 Grey post 7 0 2 Grey post 0 0 10 White post 2 5 7 Grey post
From the Hard Coal to the Brass Thill 10 5 5 Thill 1 0 0 Grey post 1 0 0 Grey post 1 2 5 Grey metal 0 3 9 Grey metal 0 1 2 White post 0 3 9 Grey metal 0 0 4 Post girdles 0 0 6 Grey post 1 2 5 Grey post 1 2 0 White post 0 0 4 Grey post 1 2 0 White post 4 1 4 Grey post 1 2 0 White post 4 1 4 Grey post 1 2 0 Grey post 7 0 2 Grey post 0 0 10 Grey post 1 2 4 White post 2 5 7
to the Brass Thill 10 5 5 5 Thill 1 0 0 White post 0 3 9 Grey post 1 0 0 Cashy parting 0 0 4 Post girdles 0 0 6 White post 0 0 8 Grey post 1 2 5 Cashy parting 0 0 4 Black metal stone 0 1 0 White post 4 1 4 Grey post 1 2 0 A parting 0 0 2 Whin (indurated sandstone) 0 0 10 Grey post 1 2 4 White post 7 0 2 Grey post 0 0 10 Grey post 1 2 4 White post 0 0 10
Thill 1 0 0 White post 0 3 9 Grey post 1 0 0 Cashy parting 0 0 4 Post girdles 0 0 6 White post 0 0 8 Grey post 1 2 5 Cashy parting 0 0 4 Black metal stone 0 1 0 White post 4 1 4 Grey post 1 2 0 A parting 0 0 2 Whin (indurated sandstone) 0 0 10 Grey post 1 2 4 White post 7 0 2 Grey post 0 0 10 Grey post 1 2 4 White post 0 0 10
Cashy parting 0 0 4
White post
Post girdles 0 0 6 Grey post 1 2 5 Black metal stone 0 1 0 Grey post 1 2 0 Whin (indurated sandstone) 0 0 10 Grey post 0 0 10 Grey post 0 0 10 Grey post 0 0 10 White post 2 5 7 7 2 9 1 2 1 2 4
Black metal stone 0 1 0 Grey post 1 2 0 White post 0 0 2 White post 7 0 2 Grey post 0 0 10 Grey post 0 0 10 White post 2 5
Black metal stone 0 1 0 Grey post 1 2 0 White post 0 0 2 White post 7 0 2 Grey post 0 0 10 Grey post 0 0 10 White post 2 5
Grey post 1 2 0 A parting 0 0 2 Whin (indurated sandstone) 0 0 10 0 2 0 0 10 0 0 10 0 0 10 0 0 10 0
Whin (indurated sand- stone) 0 0 10 Grey post 1 2 4 White post 7 0 2 Grey post 0 0 10 White post 2 5 7
stone) 0 0 10 Grey post 0 0 10 Grey post 2 5 7
Grey post 1 2 4 White post 2 5 7
Black metal 0 1 0 Grey metal stone 1 3 7
Grey metal stone 0 1 0 Grey and blue metal,
White post girdles 0 0 5 Black metal, mixed
I am of the second seco
or of power and a second secon
The Part Street of the Part Stre
diej pose
Marie
With come peper iii o z v
Grey post 0 1 10 with coal 0 0 1
Whin 0 1 0 COAL—Hutton Seam 0 5 5
White post 0 5 1 ——— 43 5 8
Carried forward 22 4 0 22 1 0 Total <u>66 0 8</u>

No. 1,752.—SHIELD ROW.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Bored in the Pea Pit, at Shield Row.

Sunk below the Hard Fs. Ft. In. Fs. Ft. In.	Brought forward 1 0 6 5 5 0
Coal Seam to the scaffold 5 5 0 Box 1 0 6	Blue metal stone, with girdles 2 0 6 Blue metal stone 0 0 6
Carried forward 1 0 6 5 5 0	Carried forward 3 1 6 5 5 0

No. 1,752.—SHIELD ROW.—CONTINUED.

Brought forward 3		Fs. Ft. In. 5 5 0	Fs. Ft. In. Fs. Ft. In. Brought forward 26 0 11 9 5 1
COAL, coarse at the			Blue metal, with gir-
bottom 0	4 7		dles 0 4 6
-		4 0 1	Soft blue metal 0 1 6
Grev metal stone, with			
post girdles7	4 0		Hutton Seam
Whin 0	2 0		Ft. In.
Strong grey metal			COAL 2 8
stone, with metal			Black grey stone 0 3
partings 2	2 0		COAL 2 5
partings 2 Blue and black metal 1	1 0		Grey slaty band 0 9
Blue stone, mixed with			COAL 2 4
coal 0	3 0		COAL, coarse 0 4
Blue metal 0	1 6		COAL 1 10
Strong white post,			<u> </u>
mixed with whin in		1	
several places 12	1 0		Hard girdle or lump 0 0 4
Blue stone, with gir-			In grey metal 0 0 5
dles 1	4 5		0 0 9
		-	
Carried forward 26	0 11	9 5 1	Total below Hard Coal Seam 38 5 4

No. 1,753.—SHIELD ROW.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat.

- , Long.

Strata sunk through at the Quaking House Pit, Shield Row Colliery, upon Lanchester Common Royalty. 1845.

				271		77	771	-	1 7 7 7 7
Clar and am			2			FS.	Ft.	ın.	Fs. Ft. In. Fs. Ft. In.
Clay and gr		• • •		0	0				Brought forward 19 4 3
Blue metal			3	-	0				Seggar clay 0 1 6
Grey post			0	3	8				Grey metal 2 4 2
Grey metal			0	4	0				Grey post 4 4 0
COAL			0	5	6				Grey metal 3 4 0
						8	0	2	Grey post 1 1 2
Blue metal			1	0	6	_	_		Grey metal 0 2 8
Grey post			ō	1	6			6	0 4 70
		• • •	_	_	-				J P
Blue metal	• • •	• • •	4	0	6				Grey metal 1 0 8
Grey post	***		0	1					COAL-5/4 Seam 0 4 2
Grey metal			0	4	0				15 3 2
White post			0	1	0				From thill of $5/4$ to
Grey metal			0	1	9				roof of Main Seam 7 0 0
Grey post			3	4	8				COAL—Brass Thill
COAL-S			_		_				Seam 0 5 4
Seam			1	1	2				7 5 4
Scano	•••	• • • •	-	1		11	4	1	
						11	4	1	
		7.0					-	_	m . 1 40 0 0
	Carrie	ed fo	rwa	rd		19	4	3	Total 43 0 9

No. 1,754.—SHILBOTTLE.

TOWNSHIP OF SHILBOTTLE, NORTHUMBERLAND.

Sheet 39 of Ordnance Map. Lat. 55° 22' 27", Long. 1° 42' 4".

Section of the Strata at the Engine, New East or Furnace Pit, Shilbottle Colliery, $2\frac{1}{2}$ miles South of Alnwick, 1807.

Approximate surface level 395 feet above sea (Ordnance datum).

	. Fs. Ft. In.		Fs. Ft.		Ft.	In.
Clay 2 4 0		Brought forward	1 5	6 38	5	4
Freestone 10 0 0		Metal	1 0	0		
Blue slate 7 0 0		Blue limestone	0 2	0		
Blue limestone—Eight-		COAL	0 0	4		
Yard Limestone 4 0 0			-	_ 3	1	10
COAL 0 0 4		Thill	1 0	8	_	
	23 4 4	Ironstone	0 0	6		
Thill 0 1 0		Rough stone	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0		
D 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		COAL — Shilbottle	2 0	U		•
		α	0 0	-		
Ft, In.		Seam	0 2	7		
COAL 1 0				_ 3	3	9
Thill 1 6		Sump:—				
COAL 1 0						
0 3 6		Grey thill		6		
	2 4 5	Grey metal stone	0 4	0		
Thill 0 1 0		Blue metal stone	3 0	9		
Main freestone 2 1 1		Hard stone, with water	0 3	0		
Main slate 7 0 0		Grey metal stone	2 0	0		
Blue limestone—Six-		Black stone	0 0	9		
Yard Limestone 3 0 0		COAL	0 0	1		
COAL 0 0 6				_ 6	5	1
o o o	12 2 7	Black stone	0 0	2	U	
Thill 0 2 6	12 2 1	FT71 04 41 413	0 0	6		
TI 1 2 0 0		White thill	0 0	_	0	0
Freestone 1 3 0			-	- 0	0	8
0 116 1 1 7 0		773 4 3		***	-	_
Carried forward 1 5 6	38 5 4	Total		*52	4	8

^{*} Approximate sea level 72 feet below this.

No. 1,755.—SHILBOTTLE.

TOWNSHIP OF SHILBOTTLE, NORTHUMBERLAND.

Sheet 39 of Ordnance Map. Lat. 55° 22' 29", Long. 1° 42' 6".

Section of the Strata sunk through in the Smoke Staple, near Farm House, at Shilbottle Colliery. Commenced August 22nd and finished sinking October 12th, 1844.

Outset Fs. Ft. In. Fs. Ft. In. Clay 3 0 0	Brought forward 3 4 0 Soft sand 0 5 0
Carried forward 3 4 0	Curried forward 4 3 0

No. 1,755.—SHILBOTTLE.—CONTINUED.

Brough	ht forward	Fs. Ft	. In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 3 2 7 4 5 5
COAL	Ft. In.						Metal 0 5 0 Limestone girdle 0 1 0
Band	1 6						Blue metal 0 1 0
COAL	0 6	0 0	_				Limestone 3 1 0
		0 2	5	4	5	5	Freestone 1 3 0 Limestone 0 2 0
Soft metal		3 2					Soft grey metal 1 0 0
Limestone g	girdle	0 0	7				15 0 7
Carried	l forward	3 2	7	4	5	5	Total *20 0 0

^{*} Approximate sea level 260 feet below this.

No. 1,756.—SHILBOTTLE.

TOWNSHIP OF SHILBOTTLE, NORTHUMBERLAND.

Sheet 39 of Ordnance Map. Lat. 55° 22′ 49″, Long. 1° 41′ 13″.

Section of the Strata sunk through in the East or New Pit, Shilbottle Colliery.

Commenced October 14th, 1845.

Outset 1 3 0 Soil and clay 1 3 0 Freestone 9 0 7 Grey and blue metal 12 3 0	Brought forward 3 0 6 28 5 7 Leafy post (ring here) 0 - 3 0 Black metal 0 1 6 Slate and coal 0 1 4
	4 0 4
Ft. In. Limestone 6 1 Metal 2 3 Limestone 2 6	Grey thilly post 0 1 0 Strong grey post 0 1 1 Dark grey post 0 1 0 Strong blue metal and catheads 5 4 0
Metal 0 4 Limestone 2 6 Metal 0 4 Limestone 1 6 Metal 0 7 Limestone 9 5 4 1 6	Bastard limestone 0 5 0 Limestone -Six Yard Limestone (got July 1st, through August 10th; the whole feeder here was 90 gallons per minute) 3 0 0
Water much less here than	COAL 0 0 5
in Eight-Yard Limestone.	10 0 6
Metal 0 0 3 COAL 0 0 3 Grey thilly post 0 1 0 White post 2 5 6	Grey thill 0 1 0 Leafy post (ring here) 0 5 0 Blue metal, with hard girdles 1 0 0
Carried forward 3 0 6 28 5 7	Carried forward 2 0 0 43 0 5

No. 1,756.—SHILBOTTLE.—CONTINUED.

Brought forward		Ft.					Brought forward Fs. Ft. In. Fs. Ft. 47	
Limestone — Little	_		Ť		Ĭ		Dark grey thill 0 2 0	
Limestone	0	2	0				Hard grey post0 4 0	
Grey thill	0	1	6				Blue metal, with thin	
Grey thilly post	0	2	6				girdles 1 0 6	
Blue metal stone (ring							2 () 6
here)	1	1	2				- `	
COAL — Shilbottle								
Seam	0	2	4				14	
			_	4	3	6		
Carried forv	varo	d		47	3	11	Total *49	1 5
Carried forv	varo	ı		4/	9	11	10tal *49 4	

^{*} Approximate sea level $19\frac{1}{2}$ feet below this.

No. 1,757.—SHILBOTTLE.

TOWNSHIP OF SHILBOTTLE, NORTHUMBERLAND.

Sheet 39 of Ordnance Map. Lat. 55° 22′ 6″, Long. 1° 41′ 33″.

Section of the Strata in the Staple or Town Pit, Shilbottle Colliery, sunk in Scott's Half-Acre for a Smoke Pit, 6 feet in diameter. 1844.

Clay Freestone—The Town			In. Fs.	Ft.	In.	Brought forward 8 5 6 30 0 2 Limestone—Six-Yard
Head Thill Metal, with freestone bands			0			Limestone 3 0 0 COAL 0 0 6
Clean metal, with no- dules of ironstone Limestone — Eight-		3	0			Thill 0 3 0 Freestone 1 2 6 Blue metal 1 0 0
Yard Limestone		0	$^{0}_{6}$ — 28	3	6	Limestone — Little Limestone 0 1 10 COAL and dant 0 0 3
Grey thill Beddy freestone COAL	1	0	6 6 8			Seggar elay 1 0 0
Grey thill	0	2	- 1 6	2	8	Roof stone, but did not sink lower, stone drift being set away
Freestone Blue metal			0 — —			at this level.
Carried forward	8	5	6 30	0	2	Total <u>*46 1</u> 9

^{*} Approximate sea level 142¹/₄ feet below this.

No. 1,758.—SHILBOTTLE.

TOWNSHIP OF SHILBOTTLE, NORTHUMBERLAND.

Sheet 38 of Ordnance Map. Lat. 55° 21′ 55″, Long. 1° 43′ 17″.

Account of Borings to rise (North-West) of the Well sunk at Shilbottle Tile Sheds.

December 27th, 1854.

1st Hole, 57 yards from Well.

approximate surfa	ace level at the	vell 480 feet al	bove sea (Ordnance datum).	
Clay Metal and bedd	y freestone		Fs. Ft. In. Fs. Ft. In 3 0 0 0 3 0 3 3 0	
	No. 1,759	-SHILBOT	TLE.	
	2nd Hole,	yards from		
Clay Limestone tuml Clay Metal Sandstone	bler		$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
	No. 1.760 -	_SHILBOT	TTTE	
Clay Sandstone	3rd Hole,		•	
			-	
		-SHILBOT		
Clay		25 yards from	last 2 5 0	
Sandstone		*** ***	0 4 5	
Clay Sandstone	5th Hole,	—SHILBOT 16 yards from		
			0	

No. 1,763.—SHILBOTTLE.

	4,	,			from l								
Clay Sandstone							3	Ft. 0 1	6	Fs. 3	Ft. 2	In. 2 =	
	N	To. 1.5	764.—	-SHII	BOT'	TLF	ŭ.						
	-				from								
Clay	• • •	•••					3	2	2				
Sandstone	. • • •	• • •	•••	•••	•••		0	1	5	3	3	7	
										=			
No. 1,765.—SHILBOTTLE.													
No. 1,765.—SHILBUTTLE. 8th Hole, 21 yards from last.													
							2	3	8				
Hard tumbler	r whin		•••	•••	•••	• • •	0	0	2	2	3	10	
									_	_	3	=	
	No. 1,766.—SHILBOTTLE.												
		9th	Hole, 5	yards	from le	ast.							
Clay		• • •					2	5	8				
Limestone tu Strong clay	moier			• • • •			$0 \\ 1$	$\frac{1}{2}$	$\frac{1}{1}$				
Sandstone	• • •	• • •	• • •	• • •	•••		0	1					
Limestone	•••	•••				•••	0	3	9	5	2	5	
										=		=	
	ν.	т. н.	7.05	CTITI	DOM!	nr r	7						
	ľ				BOT'		ű.						
Clar	۰				from l		9	9	7				
Clay Sandstone tu	mbler						0	3 2	7				
Clay			***	•••		• • •	0	2 3	6				
Metal Limestone							0	0	8				
									-	4	0	6	
												=	
			6										
	N	No. 1,	768.—	SHII	BOT'	LLE	E.						
					s from								
Clay		• • •		•••	•••		2	5	9				
Strong clay Limestone		•••					$\frac{1}{0}$	0	10 2				
							_			4	0	9	
										_	_	_	

No. 1,769.—SHILBOTTLE.

12th	Hole,	15	yards	from	last.
------	-------	----	-------	------	-------

	12th I	Tole,	15 yard	s from	last.						
Clay			•••		•••	Fs. 3	2	0	Fs.	Ft.	In.
Hard strong clay Beddy freestone a		***	•••	•••	•••	$\frac{0}{2}$	$\frac{4}{0}$	1			
Dark metal	···				•••	0	1	0			
	•••			•••	•••				6	1	1
									_		_
	37		OTTT	T TO 0 FF	m r						
	No. 1,7	70	-SHII	PROL	TLE	i.					
	13th 1	Tole,	15 yara	ls from	last.						
Clay						2	5	4			
Hard tumbler		• • •				0	1	1			
						-			3	0	5
											_
	No. 1,7	771	-SHI	LBOT	TLE	C.					
	14th 1	Hole,	11 yara	s from	last.						
Clay						3	3	0			
Clay Hard strong clay	•••			•••		1	1	0			
Beddy sandstone						0	Õ	8			
Dark metal						0	1	6			
									5	0	2
									_		
	No. 1,7	772	-SHI	LBOI	TLE	Ē.					
	15th 1	Hole,	16 yard	ls from	last.						
Clay						3	3	0			
Hard strong clay						1	1	0			
Dark metal	•••		• • •	***	• • •	0	3	0		_	
								_	5	1	0
	N. 1.	770	CITT	т род	ו זימי	D3					
	No. 1,					e.					
	16th 1	Hole,	19 yara	ls from	last.						
Clay						3	3	0			
Hard stony clay	•••	•••	•••	•••	• • • •	$0 \\ 1$	5 2	7			
Metal	•••					0		6			
Limestone						0	0	6			
									6	4	5
	C.A.T.	111. T		41.	: . 1 1						_
	Got La	iie L	imeston	e m tn	is nor	e.					
						_					
	No. 1,	774	-SHI	LBOI	TLI	E.					
	17th	Hole,	7 yard	s from	last.						
Clay						3	3	0			
Clay Hard strong clay	•••					0	4	4			D
Hard tumbler wh						0	0	8			
					-	-			4	2	0

No. 1,775.—SHILBOTTLE.

	18th Hole, 8 yards from last.													
	18th	Hole, 8	8 yards	s from l	last.									
CI									Fs.	Ft. In				
Clay	•••	•••	•••	•••	•••	3 1	2							
Hard stony clay Limestone	•••	•••	•••	•••	•••	0	0							
Limestone	•••	•••	••	•••	•••			-	4	4 4	Ĺ.			
									_					
	No. 1,	776	-SHI	LBOT	TLE	J.								
				s from										
	1000	11000,	y gara.	J. 0										
Clay		•••	•••	•••		3	2	0						
Hard strong clay	•••	•••	•••	•••	•••	0	2	0 2						
Hard tumbler	••	• • •	•••	•••	•••	0	0	Z	3	4 2)			
									_	T 4				
No 1 mm City Dominy II														
	No. 1,777.—SHILBOTTLE. 20th Hole, 1 yard from last.													
	20th	Hole,	1 yard	from l	last.									
Clay						3	2	0						
Hard strong clay						í	3							
Limestone						0	0	4						
						-			4	5 4	ŀ			
									=					
			-											
	No. 1	770	STIT	TDOT	י דידיי	D.								
No, 1,778.—SHILBOTTLE. 21st Hole, 6 yards from last.														
	21st	Hole,	6 yard	s from	last.									
Clay	•••			•••		3	2	0						
Hard stony clay	•••	• • •	•••		• • •	1	4	0						
Limestone	•••	•••	•••	***	•••	0	0	2	5	0 2	2			
											=			
	No. 1,	779	-SHI	LBOT	TL	E.								
	22nd	Hole.	7 vara	ls from	last.									
OI.			9	J. 0110										
Clay Hard stony clay	•••	•••	***	•••	• • •	3	2	0						
Metal	•••			•••		1	4	6 10						
	•••	•••		•••		_			6	2 4	4			
									_					
	NT -	W O (:	OITT	Thom	10717									
	No. 1,	,780.–	-SHI	LBOT	TL	Ľ.								
	23rd	Hole,	9 yard	ls from	last.									
Clay						3	4	0						
Hard stony clay		•••		•••		1	4	6						
Metal						î	4	0						
COAL						0	3	2						
Hard white frees	tone	• • •				0	0	2		0.1	_			
									7	3 10)			
									_		-			

No. 1,781.—SHILBOTTLE.

TOWNSHIP OF SHILBOTTLE, NORTHUMBERLAND.

Sheet 39 of Ordnance Map. Lat. 55° 23′ 7″, Long. 1° 40′ 20″.

An Account of Strata in Long Dyke Pit, Shilbottle Colliery, near Alnwick.

Approximate surface level 218 feet above sea (Ordnance datum).

Fs.	. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Soil at outset 1	2 0	Brought forward 18 3 9 16 0 1
Freestone 9	a 0	Dark blue metal, with 1 4 2
Dark metal 0	2 0	iron nodules 1 1 4 *
Limestone (8-Yard		
	2 0	COAL, coarse brown,
Limestone) 4		with spar 0 0 7
Black dant 0	2 2	21 3 10
	0 2	
o		Whinstone, white at
	16 0 1	top and dark blue
Grey beddy freestone 1	0 0	towards bottom coal,
Freestone 6	4 0	a stone run and
Blue metal 0	1 0	mixed at top 0 2 7
Limestone, mixed with		COAL, coarse, with
red ochre 0	0 2	
	_	
Beddy limestone and		0 2 10
metal 0		Dark thilly metal 0 2 9
Whinstone 2	3 0	
Hard white stone 0	1 9	Grey thill stone 1 5 3
		2 2 0
Freestone 8	0 0	·
0 110 110	0 0 10 0 1	77 1 1
Carried forward 18	3 9 16 0 1	Total 40 2 9

^{*} Approximate sea level (Ordnance datum).

N.B.—The coal was never reached, on account of a whin dyke being 80 yards to the south of pit.

No. 1,782.—SHILBURNHAUGH.

TOWNSHIP OF WELLHAUGH, NORTHUMBERLAND.

Sheet 58 of Ordnance Map. Lat. , Long.

Section of a Drift near Shilburnhaugh, East of Burn, and about 300 yards North-east of the Bridge over Whickhope Burn.

Approximate surface level feet above sea (Ordnance datum).

COAL—Shilburnhau	ah Soam		,	Fs.	Ft.	In.	Fs.	Ft.	In.	
Shale			 	1	_					
COAL (as seen at Ha	wkhope)		 	0	1	2				
Shale			 	1	0	0				
Girdles			 	1	3	0				
Whin (hard limestone,	full of fo	ssils)	 	1	2	0				
(,		_			5	3	2	
	Total		 				5	3	2	

Average dip, one in ten.

No. 1,783.—SHILDON.

TOWNSHIP OF SHOTLEY HIGH QUARTER, NORTHUMBERLAND.

Sheet 108 of Ordnance Map. Lat.

, Long.

Section of Strata at Shildon, on the River Derwent.

Approximate surface level feet above sea (Ordnance datum).

	·		
	Fs. Ft.	In. Fs. Ft. In	
Heppel sill	7 0	0	Brought forward 32 0 3 27 3 0
Plate	7 0	0	Hazel 0 3 0
High grit	8 3	6	Plate 2 1 0
Plate and coal	0 3		Hazel 0 4 0
I muo ana coat		23 0 9	
Plate and white sill	1 1		Limestone — Little
	3 0	6	76 .
Plate, coal, and plate	5 U		
w	11 0		
	11 0	6	
Plate	1 4		Coal sill 1 1 3
Pebbles	1 0	0	Plate 2 0 0
Plate, lime, post, and			COAL 0 3 0
hazel	1 4	0	3 4 3
Crag sill	4 2	0	Low Coal sill 1 2 0
Plate	4 3	6	White sill 3 4 0
Pattinson sill	6 4	6	Grey beds 0 0 8
White sill	2 0	0	Plate 1 0 0
Hazel	4 5		Great limestone 10 0 0
D1.4.	4 0		——————————————————————————————————————
Plate	T 0		10 0 0
Counied forward	32 0	3 27 3	Total 101 0 2
Carried forward	32 0	3 27 3	Total <u>101 0 2</u>

No. 1,784.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

Account of the Boring at Shildon, about yards to the West from the Pit.

April 25th, 1763.

Fs. Ft. In. Fs. Ft. In.	
Brown soil 0 2 6	Brought forward 5 3 0
Brown stony clay 1 0 0	Grey metal 1 0 0
Strong clay, with	White and grey post 1 3 0
water 4 0 6	Grey metal stone 0 4 0
Carried forward 5 3 0	Carried forward 8 4 0

No. 1,784.—SHILDON.—CONTINUED.

Brought forward 8 4 0 Grey post girdle 0 2 0 Grey metal stone 2 4 9	Brought forward 12 0 3 COAL, with a small hard girdle or lump
Grey and blue metal 0 0 10 Soft black metal 0 0 8	near top 0 2 2 12 2 5 Into black grey metal.
Carried forward 12 0 3	Total 12 2 5

No. 1,785.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat.

Long.

Bored at Shildon.

Approximate surface level feet above sea (Ordnance datum).

O .:1							Fs.	Ft.	In.	D		1					Ft.	
2011										Brough	it forw	ara	1	Т	U	8	3	U
	y clay			7	3	0				Grey metal,	with p	ost						
	te post,									girdles								
pa	rtings	and	water	0	3	7				Black metal			0	0	9			0
	AL, f									COAL			0	1	1			
wa	ter			0	1	5										3	4	10
						_	8	3	0	Grey metal			3	2	1			
Whit	te post	, wit	h me-							Black metal			0	0	5			
	partin			0	3	0				COAL			0	1	8			
Brow	vn and	grey	post,													3	4	2
wi	th met	al pa	rtings	0	4	0				Grey metal						0	0	6
				-		-												
	Carrie	ed fo	rward	1	1	0	8	3	0		Total					16	0	6
										1					=			

No. 1,786.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

First Hole bored at Shildon, in Wood's Field.

Soil Sand, with part clay Stony clay		•••		 Fs. Ft. In 0 1 6 0 4 6 7 5 0	3	Ft.	In.
	Total		•••	 	8	5 5	0

No. 1,787.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

Second Hole bored at Shildon, in Nafferton West Pasture.

Approximate surface level feet above sea (Ordnance datum).

					Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil				 	 0	1	0				
Stony clay				 	 0	3	0				
Gravel, with	water			 	 0	2	0				
Stony clay, v	vith to	amblers		 	 8	1	6				
Brown post				 	 2	0	6				
1								11	2	0	
		To	tal	 				11	2	0	

No. 1,788.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 81 of Ordnance Map. Lat. , Long.

Fourth Hole bored at Shildon, in Harrison's Pasture.

Approximate surface level feet above sea (Ordnance datum).

	1
Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Soil 0 1 0	Brought forward 10 1 0
Stony clay 2 5 0	Grey metal, with post
COÄL 0 1 4	girdles and water 3 1 6
3 1 4	Black metal 0 0 6
Post girdles and metal	COAL, with water 0 1 7
partings 2 4 6	3 3 7
COAL 0 1 0	Grey metal stone 1 3 5
2 5 6	Grey and brown post 2 0 0
Soft brown and grey	
post 1 2 2	COAL 0 2 0
post 1 2 2 Grey and brown metal 2 3 0	5 5 5
Black metal 0 0 4	Black metal 0 1 0
COAL 0 0 8	21001 111001 111 111
4 0 2	
4 0 2	
Carried forward 10 1 0	Total 19 5 0

Note.—Bored another hole 2 fathoms and laid off by whin tumblers.

No. 1,789.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

Strata bored through in Mr. Hughes' Field, on South side of the New Shildon Workshops, on Lord Eldon's Estate.

Approximate surface level feet above sea (Ordnance datum).

From the the red Red stone Black meta White ston Soft red san Hard red, ironstone	sandstone l e ndstone similar to	1 0 4 2	1 1 1 0	0 0 0 6	Fs. 2	Ft. 5	In. 0	Brought forward 4 3 9 17 3 0 Brown sandstone 0 0 11 COAL 0 2 1 Seggar 1 1 1 I ronstone 0 0 1 Seggar 0 0 1 Seggar 0 2 6 Black jet 0 0 3
Sandstone		5	$\frac{1}{2}$	9				COAL 0 3 3
Black meta	1	0	2	4 5				Grey stone 0 0 3
OOAL				_	14	4	0	White sandstone 0 0 3
Thill		0	2	0		-		Blue metal 0 2 10
Seggar		2	4	0				Ironstone (like) 0 1 2
Ironstone		0	0	1				Blue metal 1 4 6
Seggar	•••	1	3	8				Whinstone $0 \ 0 \ 0\frac{1}{2}$
								$\frac{}{}$ 2 5 $10\frac{1}{2}$
Carrie	d forward	4	3	9	17	3	0	Total 27 4 9½

No. 1,790.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Strata bored through at Shildon Works, near the Engine Shed, in Sir George Musgrave's Estate. March 20th, 1855.

				Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Dep	oth of	hole at	the							Brought forward 15 1 5 13 2 3
c	omme	ncement		8	1	0				Blue metal 0 3 4
Blu	e meta	al			2	4				Black metal 0 2 10
Gre	y met	al		2	0	8				Grey metal 4 5 4
CO	AL			0	1	6				COAL 0 1 1
						_	11	5	6	21 2 0
Seg	gar cl	ay		0	4	9				Thill 0 3 10
	AL			0	4	0				Post 0 1 3
							1	2	9	Blue metal 1 3 1
Gre	y post			11	2	3				COAL, with grey post 0 3 0
		al, with								2 5 2
Q.	irdles			3	4	7				Grey post 0 1 0
	stone			0	0	7				
				_		_	_			
	Carri	ed forw	ard	15	1	5	13	2	3	Total 37 4 5
										P

No. 1,791.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Account of Strata sunk through at Surtees Colliery, Old Shildon.

Approximate surface level feet above sea (Ordnance datum).

**		
Outset 1 3 4 Soil and clay 2 2 0 Soft freestone 7 0 0 Hard white post 5 0 0 Strong white post 8 0 0 Grey metal 0 1 5	Brought forward 25 1 9	In.
	0 3 3	
	————— 25 5	0
	Post, grey metal, etc. 2 4	0
Carried forward 25 1 9	Total 28 3	0

No. 1,792.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Account of Strata at Shildon Engine Pit. 1830.

Approximate level feet below sea (Ordnance datum).

Soil 0 1 6 Strong clay 1 0 0 Pipe clay 1 0 0 Soft blue clay 7 5 6	Brought forward 10 1 0 Five-Quarter Seam— COAL 1 0 COAL, splint 0 9 COAL 3 0 White band 3 0 COAL 5 6 ——————————————————————————————————
	12 2 3
Carried forward 10 1 0	Carried forward 12 2 3

No. 1,792.—SHILDON.—CONTINUED.

Brought forward Thill Soft blue metal Grey metal, with post girdles Whin, with water Grey metal, with post girdles and water Blue metal, with post girdles and water Dark blue metal, with iron girdles	0 4 2 0 3 0 0 3 4 0 6 0	0 0 0 0	Brought forward 17 2 0 12 2 3 Main Coal Seam— COAL 1 6 Brown band 0 0½ COAL 4 0 COAL, coarse 0 6 COAL, splint, with water 1 6 ———————————————————————————————————
Carried forward	17 2	0 12 2 3	Total 31 5 11½

No. 1,793.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

An Account of Sinking at the Colliery of Robert Surtees, Esq., Royal Shildon Wallsend, in the year 1831.

Approximate surface level feet above sea (Ordnance datum).

Fine loamy soil O 1 0	Fs. Ft. In. Fs. Ft. In. Brought forward 20 0 0
	White post, very close
Clay 0 2 6 Sand and gravel 2 5 6	and little water 2 0 0
Strong white post,	COAL, foul 0 0 4
mixed with rife	22 0 4
partings 6 3 0	White post 1 4 0
Blue metal, mixed	Blue metal 0 1 6
with scares of grey	COAL, mixed with
post 3 3 0	lime and fire-coal 0 3 2
White post, rife of	2 2 8
partings 4 0 0	Strong grey metal 0 1 0
Grey metal, mixed	Strong black stone 1 2 0
with brown girdles 2 3 0	1 3 0
with brown gridles 2 6 0	
The state of the s	
Carried forward 20 0 ° 0	Total <u>26 0 0</u>

Section of the Coal.—In this seam there is 1 foot of coarse fire-coal at the bottom. 4 inches of splint upon the top of it, 1 foot 4 inches of fire-coal mixed with small scares of black bands, and the remaining 6 inches are of black slaty bands.—Edward Crone.

No. 1,794.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 4	12 of	Ordnance	Map.	Lat.	, Long.
•					, 0

Strata sunk through at the Water House, Soho, by the Stockton and Darlington Railway Company. April, 1859.

Approximate surface level

feet above sea (Ordnance datum).

Blue clay	Fs. Ft. 6 3	In. Fs.	Ft. In	Brought forward	Fs. Ft.	In. Fs. F 21	t. In. 1 6
Freestone post	9 3	0		Seggar clay	1 3	0	
COAL	0 1	1		Blue metal	4 1	9	
		16	1 4	COAL	0 3	7	
Seggar clay	0 4	5				- 6	2 4
Grey metal	2 5	2		Stone band	0 3	2	
Post girdles	1 0	4		COAL	0 2	9	
COAL	0 2	3				- 0	5 11
		5	0 2				
		_					
Carried for	ward	21	1 6	Total		28	3 9
				1			

No. 1,795.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

Account of the Boring at Shildon Lodge, about 170 yards West from Daniel Adamson's Public House, on Robert Surtees' Estate. April 12th, 1830.

Soil				Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In Brought forward 18 5 0
Gravel and water					
	U	4	U		Strong white and grey
Grey metal, with scares	^	~	_		post, with a yellow
of coal	U	Э	U		sand parting at 4
Grey metal stone, with					feet from the top 3 5 6
post girdles	1	2	7		COAL 004
White and brown post					
(set away the water					Grey post, with black
at 8½ fathoms)	5	3	5		scares 1 2 10
Grey metal, with post					Grey metal with iron-
girdles	3	4.	0		stone balls 0 2 4
Mild grey post, inclin-		-	v		
ing to metal stone	2	2	Ω		COAL foul Ft. In.
Grey post, with scares	Ð	o	U		COAL, foul 0 5
	0	7	C		COAL, with
of coal Grey post	U	1	0		water, rather
Grey post	2	2	6		splinty and
					coarse in
					places 2 9
					0 3 2
					2 2
			_		
Carried forward	18	5	0		Carried forward 25 1
					varrieu forwaru 20 1

No. 1,795.—SHILDON.—CONTINUED.

	~												
D 1/61	Fs.	Ft.	In.	Fs.			D 14.0	Fs.	Ft.	In.	Fs.		
Brought forward				Zə	Т	- 2	Brought forward				50	2	11
Dark grey metal stone,	7	0					Dark grey metal stone,	~	_	_			
with whin girdles	1	0	Z				with post girdles	2	1	1			
Black stone, with whin	-	0	0				Strong white post,	_	_	_			
girdles	Ţ	$\frac{3}{2}$	6				mixed with whin		1	6			
Grey metal stone	2	Z	O				Strong white post			0			
Grey metal stone, with							Grey metal stone			0			
post girdles and	_	_	_				COAL	0	0	8			
water	2	2	0								3	3	3
Dark grey metal, with	-		_				Grey metal stone, in-						
girdles	1	T	0				clining to post		2				
Grey metal, with post							Strong white post	0	3	0			
girdle and water in	_						Grey metal, with whin						
places	5	0	4				girdles	2	5	0			
COAL, with a scare							Dark metal stone, with						
of brass near the							strong ironstone						
top, and burns to								1	1	9			
brown ashes	0	1	10				Grey metal stone, with						
				13	4	10	hard girdles (into)	1	4	9			
Grey metal	0	3	0								8	5	4
Grey stone, with gir-							Recommenced June						
dles	3	2	6				6th, 1853 :—						
Strong white post	0	4	8				Dark metal stone	5	2	0			
Grey metal stone, with							Strong white post,						
white post girdles		4					mixed with whin	2	2	0			
Strong white post	0	4	6				COAL	0	3	10			
				8	1	6					8	1	10
Whin	0	0	10				Grey metal stone	0	5	10			
Strong white post	1	0	8				White post, mixed with						
Whin girdle	0	0	9				whin	2	3	8			
Strong white post,							Whin (29 shifts)	0	2	5			
with water at 49\frac{1}{2}							White post, mixed						
fathoms	1	4	9				with whin	4	1	0			
COAL	_	0	5				Whin (into)			1			
			_	3	1	5	1.				8	3	0
											_		
Carried for	war	d		50	2	11	Total				79	4	4
										=			=

Left off 21st January, 1854.

No. 1,796.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 37′ 32″, Long. 1° 38′ 57″.

Account of Strata sunk through in the Furnace Shaft, Shildon Lodge Colliery. November, 1864.

$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Brought forward 0 5 0 Loose rubble post 0 0 7		t. In	
Carried forward 0 5 0	Carried forward	0 8	5 7	,

No. 1,796.—SHILDON.—CONTINUED.

		-,.											
Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In. 7	Brought forward	Fs.	Ft.	In.	Fs. 35	Ft.	In 3
Ft. In.						Ť	Seggar clay	0	2	0			
COAL (north side of pit 10							Grey metal, with iron- stone balls	_3	4	0			
inches, south 6 inches) 0 10							of water per hour)	0	2	6			
Soft grey me- tal, with post							G	0	3	0	4	2	6
girdles 1 1							Strong stony grey	U	J	U			
COAL 0 6	0	2	5				metal, with post girdles	2	1	6			
Seggar clay	7	1	10	0	2	5	COAL—Busty Bank Seam (680 gallons of						
Grey metal, with post			_				water per hour)	0	3	0			
coal	0	$\frac{0}{2}$	5 0				Seggar clay	0	1	10	3	1	6
Seggar clay	1	3	0	7	4	3	Grey post Grey whin	$\frac{1}{0}$	3	3			
Grey post	0	3	0				Grey post	2	3	0			
Blue metal, with coal pipes	1	0	1				Strong white rough post	2	3	8			
Seggar clay COAL, foul, mixed	0	3	0				Grey metal stone	0	1	3			
with stone	0	1	6	3	4	7		_			7	5	3
Seggar clay	2	4	8	Э	4	7	Seggar clay Dark grey metal	0	2	2 6			
Blue metal, with iron- stone girdles	0	1	4				Grey post, with metal partings (water 800						
COAL, top Ft. In.							gallons per hour) Grey metal	1 0	3	9			
Seggar clay band 3 10							COAL, splint	0	0	1			
COAL, bottom 2 0	1	1	0				Grey metal, with iron-	_			3	0	0
Fire clay thill	4	0	 5	4	2	6	stone bands Post girdles, with	0	5	8			
White post (20 gallons							metal partings (wa-						
of water per minute) Whin	$0 \\ 1$	$\frac{2}{2}$	8				ter 840 gallons per hour)	1	1	4			
White post Post girdles, with me-	1	3	0				COAL	0	0	9	2	1	9
tal partings	1	1	7				Seggar clay	0	3	0		_	
Grey post Whin	0	2 5	0 4				Grey post Grey metal, with iron-	0	3	6			
Grey post	0	1 5	0				stone balls	$\frac{1}{0}$	$\frac{2}{1}$	0			
Seggar clay, with iron-		_		10	5	0		0	2	0	2	3	6
stone balls	2	2	4				Seggar clay Post girdles, with me-						
Grey metal, with post girdles	3	1	4				tal partings Grey whin	3	0	$\frac{0}{6}$			
Black stone, mixed with coal	0	0	9				Post girdles, with metal partings	2	0	1			
Dark grey metal	0	2	7				COAL - Brockwell						
White post Grey metal	0	3 2	$\frac{0}{2}$				Seam	0	5	4	6	2	11
of fire clay 6 inches							Seggar clay Post girdles, with me-	0	2	9			
from the top)	0	2	3	7	2	5	tal partings	1	3	3	a	0	0
0 1 1 1		1		_							2	0	
Carried for	war	a		35	1	3	Total			*	67	0	8

^{*} Approximate sea level 42 feet below this.

No. 1,797.—SHINCLIFFE.

TOWNSHIP OF SHINCLIFFE, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

Account of the Boring in Shincliffe Estate. October 3rd, 1836.

Approximate surface level feet above sea (Ordnance datum).

Stony clay Blue leafy clay Brown leafy clay, places	mixed with	sand	in seve	ral 	$\frac{1}{2}$	3 1 4	6 6	Fs. 24			
	Total							- <u>-</u>	3	0	

No. 1,798.—SHINCLIFFE.

TOWNSHIP OF SHINCLIFFE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 45' 17'', Long. 1° 32' 15''.

Section of Strata sunk through at Shincliffe Colliery, east of Turnpike Road.

Commenced September 11th, 1837.

									-			
V-111-	Fs.	Ft.	In.	Fs. Ft.	In.	D	Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay Blue clay	0	Ţ	Ü			Brought forward	10	2	7			
Blue clay	0	1	4			Sandy clay	0	0	5			
Sand, dark, loamy, and						Clay, blue and strong	3	3	7			
Sand, dark, loamy, and damp	0	3	8			Sand parting	0	0	6			
Blue loamy clay	0	1	0			Clay, blue and strong	0	3	0			
Sand, dark, loamy, and						Sand parting	0	0	6			
damp	0	1	8			Clay, blue and strong			0			
Blue loamy clay	0	1	6			Brown leafy clay	1	2	6			
						Clay, brown and strong	0	1	9			
damp	0	1	0			Dry loam (bucket door		~				
Clay, blue and strong	2	2	ŏ			holes in this loam)	3	2	2			
Sand, light, loamy, and	_	_				holes in this loam) Dry sand	0	2	ก			
dry			٥			Damp sand (top of cis-	0	_	U			
Fine clay, mixed with	-	1	U			tern holes for high						
loamy sand	0	4	0					0	c			
			U			pump)	U	U	0			
Sand, light, loamy, and			_			Very strong brown						
dry						clay, mixed with	-		_			
Dark loamy clay			U			stone	1	3	U			
Sand, loamy, fine, and		_				Blue metal, very soft						
dry	3	5	8			and jointy (got first						
Sand, sharp and dry	1	5	6			water) White post girdle	2	0	4			
Sand, loamy and dry	1	1	5					1	0			
Damp sand	0	4	0			Dark metal, scared						
Sand, quick, with wa-						with post		3	6			
ter	0	5	4			Post girdles, with me-						
Clay, blue and strong						tal partings		2	6			
0							_					
Carried forward	16	9	7			Carried forward	39	5	10			
Carried forward	Τ()	2	-			Carried for ward	94	O	10			

No. 1,798.—SHINCLIFFE.—CONTINUED.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 32 5 10	Brought forward 59 1 7
Dark post, scared	Blue metal 0 3 10
with blue 0 3 0	COAL 008
Dark metal 0 0 8	0 4 6
COAL 0 0 6	Blue metal 0 0 8
33 5 0	Very strong white
Soft thill stone, with	post 1 2 4
water 0 2 0	Grey metal and post
Blue metal, very jointy	girdles 1 2 6
and more water 2 0 0	Blue metal 1 5 7
Grey post and more	Grey metal and post
water 0 1 10	girdles 0 3 3
COAL 0 0 7	Dark metal 0 3 10
2 4 5	Soft blue metal 0 3 4
Thill stone 0 1 6	White post 0 2 10
Grey metal stone, with	Grey metal 0 2 6
post girdles 0 5 0	Hutton Seam—
White post 3 4 0	Ft. In.
White post, full of (8 4 1	COAL, good $4 1\frac{1}{2}$
water \ 2 0 3	Band 0 $0\frac{1}{3}$
COAL — Low Main	COAL, splint 1 81
	$\frac{1}{2}$ 0 5 $10\frac{1}{2}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	8 2 8
0.04	Sump:—
	Soft thill stone 0 0 6
COAL, coarse 0 0 11	Strong thill stone 0 4 0
0 1 6	White post 0 5 0
Mild grey metal 0 4 0	Black stone 0 4 6
Strong white post 0 4 0	
Grey metal 4 2 0	
Dark blue metal 0 5 8	White post 0 3 4 White post 0 2 0
COAL 0 0 9	
6 4 5	8 · · · J I
·	5 5 10
	Tradal Et 0 El
Carried forward 59 1 7	Total $\frac{74 \ 2 \ 7\frac{1}{2}}{}$

^{*} Approximate sea level (Ordnance datum).

No. 1,799.—SHINCLIFFE.

TOWNSHIP OF SHINCLIFFE, DURHAM.

Sheet 27 of Ordnance Map. Lat.

, Long.

Account of Strata bored through from the Hutton Seam, Shincliffe Colliery. Commenced June 21st, 1867, and finished February 10th, 1868.

	Fs. Ft	. In. 1	Fs.	Ft.	In.				In. Fs.		
Sunk to thill of Hut-						Brought forward	3	1	7 68	3	$9\frac{1}{2}$
ton Seam		(68	3	$9\frac{1}{2}$	Dark grey metal, with					
Grey metal thill	0 5	0			-	water and gas	0	4	6		
Strong grey post	0 3	6				Grey metal, with post					
Grey metal	0 3	3				girdles	3	2	6		
Hard white post	1 1	10				Black stone, mixed					
						with coal	0	1	0		
						Strong grey post	0	3	5		,
						_					
Carried forward	3 1	7 6	38	3	$9\frac{1}{2}$	Carried forward	8	1	0 68	3	$9\frac{1}{2}$

No. 1,799.—SHINCLIFFE.—CONTINUED.

							Continue	•					
Brought forward	Fs.	Ft.	In. 0	Fs. 68	Ft. 3	$\begin{array}{c} \text{In.} \\ 9\frac{1}{2} \end{array}$	Brought forward	Fs.	Ft.	In.	Fs.		
Dark grey metal, with							Strong grey metal,	0	=	c			
hard post girdles, gas, and water	1	5	3				with post girdles Hard white post, dark	0	Э	6			
COAL, with gas	ō	Õ	5				at top and bottom,						
, ,				10	0	8	with soft dark part-						
	_	_					ings, a little gas	0	~				
Light grey thill	0	0	7				and water Grey metal, with iron-	8	5	6			
Hard white post, with gas and water	1	5	6				stone girdles	0	1	5			
Strong grey metal,	_		Ü				Black stone, with gas	0	0	6			
mixed with iron-							COAL, heavy blower	0	_	_			
stone girdles, dark	~		0				of gas:	0	0	5			
near the bottom Strong grey metal,	5	2	9								10	1	4
with post girdles	4	4	5				Chan makel 4h:11	6	^	0			
COAL—Harvey Seam	0	1	10				Orey metal thill Dark grey metal, with	0	0	8			
			_	12	3	1	hard girdles and gas						
Danner motel thill							at bottom	2	1	8			
Brown metal thill, with ironstone	2	2	7				Grey and white post,	-					
Black stone, mixed	_	_	ľ				with soft partings Soft grey metal, with	1	4	4			
with coal (gave off							post girdles	2	5	1			
gas)	0	0	6				Very hard white post	0	1	6			
Light grey metal thill COAL, coarse, gas	0	2	9				Strong grey metal	0		10			
given off	0	0	4				Snappy black stone	0	0	8			
O				3	0	2		U	U	G	_		
		_				_		_	,	_	7	3	8
Dark grey metal	0	1	, 6				Hard brown thill	0	1	5			
Strong light grey me- tal	0	2	3				Strong grey post, with		_	Ŭ			
Strong grey post, with		_	Ŭ				soft partings and 3						
metal partings	2	4	0				feet of very hard	9	3	3			
Hard white post, with	9	4	9				post in the middle Strong grey metal	0	1	1			
metal partings Dark grey metal	0						COAL, slaty, with a		_				
COAL	0	_					little gas	0	0	7			
				13	1	3					3	0	4
D (1 11 11)	_												
Brown metal thill	0	1	8				Strong grey metal	0	2	3			
Strong grey metal, with post girdles	3	5	7		*		Strong grey post Blue metal, with iron-	2	1	6			
Soft dark grey metal	0		9				stone girdles	2	1	2			
Ft. In.							Strong grey metal,						
COAL, coarse 0 4							with post girdles	0	9	6			
COAL 1 4							and a little water Hard white post	$\frac{2}{1}$	$\frac{2}{1}$	3			
	0	1	8				Strong grey metal,	_	_				
	_			4	3	8	with thin post gir-	_	,	-			
Brown metal thill	0	2	3				dles	1	4	7			
Strong grey metal,	^		^				Hard white post, with partings	1	4	5			
with post girdle	0	4	2				Strong grey metal	-					
Soft dark grey metal, with scares of coal,							stone, with gas	1	2				
gas given off	0	2	5				Hard white post	1	0	4			
COAL, coarse	0	1	. 0			7.0							
				1	3	10							
a	0		,			~ 1	0	7.4	0	4	19	4 9	0.1
Carried	10.	rwa	rd	TI3	4	95	Carried forward	14	2	4	19	Tr O	$9\frac{1}{2}$

No. 1,799.—SHINCLIFFE.—CONTINUED.

Fs. Ft. In. Fs. Ft. In. Strong grey post, hard at the top 1 5 0	Brought forward Light grey metal thill 0 2 0 Grey post 0 4 4 Strong light grey post - 0 5 0 Strong dark grey post, with metal partings 1 0 2
Carried forward $152 2 2\frac{1}{2}$	Total $155 \ 1 \ 8\frac{1}{2}$

No. 1,800.—SHIPCOTE.

TOWNSHIP OF GATESHEAD EAST WARD, DURHAM.

Sheet 3 of Ordnance Map. Lat. 54° 57′ 33″, Long. 1° 35′ 41″.

Section of Strata at the North Pit, Shipcote Colliery.

Gravel		s. Ft		Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
C/3								0	4	C	99	4	1
a " .1	(1	0				Fire clay		4				
Gravel								6	Z	1			
Freestone post	6) 1	5				White post	1	4	11			
COAL — High M							COAL — Bensham						
Seam	1	. 0	0				Seam	0	3	2			
				11	3	2				—	9	2	8
Grey metal and p	ost						Blue metal	2	0	8			
girdles		0	3				White post, with wa-						
COAL - Metal C			0				ter	9	0	8			
Seam		1.	0				Fire clay	0	5	0			
Newm	••••	- 30		5	4	3	COAL-6/4 or Maud-						
				o	4	o)	lin Seam	0	3	6			
Blue metal		5	4								12	3	10
COAL — Stone C	'oal						Blue metal	2	Ω	2			
Seam	0	1	8				COAL—5/4 Seam	0	2				
				4	1	0	JOAL Seam	U	4	U	3	2	9
Fire clay	0	2	0				Blue metal and post				9	4	9
Blue metal		1	_					4	4	9			
COAL		ī	-					4	4	4			
OOAL	0	1	10	5	5	9	White post, with wa-	4	1	~			
				Ð	Ð	9	777		1 3				
Fire clay	· C	1	10				Blue metal	0	3	0			
White post, with wa	ter 5	3	1				COAL - Low Main						
COAL—Yard See	am = 0	3	0				or Hutton Seam	U	5			_	_
	_			6	1	11				_	10	2	5
Carried	forwa	ha		33	4	1	Total				co	0	_
Carried	101 Wa	u		99	-1	т	Total		• • •	_	69	3	9

No. 1,801.—SHIREMOOR.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Bored on Shiremoor, about 290 yards South-east from the West Boundary Stone, and 250 yards South-east from the Hole at the Boundary, in 1749.

~ 41 1 11 1				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil and yellow clay							Brought forward 4 2 10 29 0 8
Blue stony clay	1	1	6		0	0	Grey metal stone, with
9-64 h				2	0	0	post girdles 1 2 0
Soft brown post, with							Whin girdle 0 0 4
red partings and	7	9	0				Grey metal, with catheads 0 4 6
~ 0:	7	3 2	0				71 0 1
Soft metal	0		0				000
Black metal	0	0	4				- 6 5 3
Blue grey metal Black metal	0	3	8				Characteria 0 4 0
Black metal Brownish red metal	1	0	0				D1
D14.1	3	3	0				D1 1 1 1 0 0 0
	o	9	U				0041
Grey metal stone, with post girdles and							- 1 3 2
A , C)	0	3	0				Black metal, scared
0	0	4	0				113 7 0 0 4
T) 1 1 1	0	0	6				
COAL	0	0	6				Grey metal 0 1 0 Grey post, with water 1 0 0
COAL	U	U		14	2	0	Blue and grey metal,
Black and grey metal	0	2	0	LT	4	U	with small scares of
Grey metal stone, with	U	4	U				0 1 4
post girdles and							Strong white post,
	1	3	0				with whin and wa-
Blue metal, with gir-	1	9	U				0.1.0
dles or catheads	0	5	0				Grey post, with blue
O	1	0	0				metal partings 1 0 0
Blue and grey metal,	1	U	U				Blue metal, with cat-
with catheads	2	3	0				heads 0 3 0
D174-1	ō	2	0				Black metal 0 1 2
Grey metal stone, with	U		0				COAL 0 0 7
post girdles and							3 2 11
moton	1	3	0				Blue metal 0 0 8
Grey post, with water	3	4	ő				Grey post 0 3 0
Grey metal	0	4	0				Grey metal stone, with
Black metal, scared	Ü	-					post girdles and
with coal	0	0	4				water 1 2 0
Blue grey metal	ŏ	ĩ	6				Grey post 1 2 0
Black metal	Õ	ō	2				Grey and white post,
COAL, foul	0	0	8				with metal partings 0 5 0
,,,,,,,,,, -				12	4	8	Grey and black metal 0 2 0
Black and grey metal,					_		Grey metal, with post
with some small							girdles 1 3 6
scares of coal	0	2	4				Blue and black metal 0 1 6
Grey metal, with white	Ť						Grey metal 0 5 0
and grey post girdles	3	3	0				Grey and white post,
Blue metal, with cat-		,	,				with metal partings
heads	0	3	0				and water 1 3 0
Black metal	0	0	6				Grey metal 0 2 0
	_						
Carried forward	4	2	10	29	0	8	Carried forward 8 5 8 41 0 0

No. 1,801.—SHIREMOOR.—Continued.

TD 146 T				Fs.			Fs. Ft. In. Fs. Ft. In.
Brought forward	8	9	8	41	U	U	Brought forward 30 2 0 41 0 0
Black metal, with some	0	_					Soft white post 0 1 0
small scares of coal							Strong white post
Grey metal stone	0	3	0				girdles 0 2 2
White post	3	4	6				White post girdles,
White post girdles and							with black scames 0 1 10
water	1	4	0		•		White and grey girdly
Whin	0		6				post 0 5 0
White post	0	2	0				High Main Seam—
Strong white post,							Ft. In.
mixed with whin	0	2	0				COAL 3 7
White post, with blue							Scare band or
metal partings and							brass lump 0 ° 2
	1	4	0				COAL 2 10
Whin	0	0	4				1 0 7
Grey scamy post		4	0				33 0 7
Blue metal, with cat-	-						Grey and blue metal 0 0 9
heads	0	2	0				Bottom Coal of High
Black slaty metal	0		8				Main Seam—
Jet, with some white		•	_				Ft. In.
sparks in it	0	0	10				COAL 0 10
Grey post		5					Blue metal,
Blue and black metal	1		0				mixed with
Grey metal	0		0				coal 0 2
Grey and white post,	U	_	U				COAL 0 6
with metal partings	1	0	0				Black metal,
White post, mixed	Ť.	U	U				mixed with
	0	2	0				
			6				coal 0 6
White post	0						
Whin	6		0				
White post	0	Э	U				0 2 3
White post, mixed	0	0	C				— 0 3 0
with whin	0		6				In blue metal 0 0 8
Blue scamy parting	U	0	4				
		_				_	Total 74 4 3
Carried forward	30	2	0	41	0	0	100a1 74 4 5

No. 1,802.—SHIREMOOR.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Account of Strata bored through on Shiremoor, near Green's Gate. 1755.

Soil and clay				Fs.	Ft.	In.	Brought forward				Fs.	Ft.	In.
Sandy clay, with water	0	1	0				Blue and black stony		Ŭ	Ť			
Blue and black stony							clay	3	1	0			
clay Sand, with water							A hard stone, supposed to be a tumbler		0	8			
Dana, with water	_						bo be a fullible!						
Carried forward	3	0	0				Carried forward	6	1	8			

No. 1,802.—SHIREMOOR.—CONTINUED.

				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward			8				Brought forward 22 3 8 24 3 0
Blue clay	2						Black metal, with coal 0 0 6
Whin tumbler	0	0	4				COAL 0 0 7
Blue and black stony		_	_				22 4 9
clay	3		0				Grey metal, with post
Sandy elay	0	3	0				girdles 1 3 0
Blue and black stony							Blue and black metal 2 2 0
clay	4	4	0				COAL, mixed with
Soft rambly post, with							metal 0 1 0
water	1	4	0				
Blue metal, with gir-							Grey metal stone 1 0 0
dles	1	2	0				White post 6 3 0
Black metal, with coal	0	0	7				Grey metal, with gir-
Soft grey and blue							dles 0 3 0
metal	1	3	0				Blue and black metal 0 1 0
Blue metal	0	4	0				High Main Seam—
Blue metal, scared							Ft. In.
with coal	0	0	9				COAL 0 7
COAL, with water	0	1	3				COAL, foul 0 2
• • • • • • • • • • • • • • • • • • •			_	22	5	7	COAL 5 10
Soft metal, with gir-						•	1 0 7
dles	1	3	0				9 1 7
COAL, foul			5				Blue metal, mixed
33712, 10aii			_	1	3	5	
Grev metal	1	2	0	•	0		with coal 0 0 4
Grey post, with part-		0					Bottom Coal of High Main Seam—
ings and set away							
17 1	3	Ω	0				Ft. In.
	9	U	U				COAL, hard 0 8
Blue metal with gir-	~	0	0				COAL, foul 0 10
dles		0					Blue metal,
Grey post, with water	1		0				mixed with
Whin	0	1	8				coal 0 5
White post, with part-		_	_				COAL, foul 0 9
ings and water		0					0 2 8
Strong white post	1		0				0 3 0
White post			0				In grey metal 0 0 8
Blue and grey metal	1	0	0				
~							
Carried forward	22	3	8	24	3	0	Total 61 1 0

No. 1,803.—SHIREMOOR.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Shiremoor, near Brown's Mill. 1756.

Soil and clay 3 1 6 Ramble and post 1 3 0 Blue and grey metal 0 2 6	Brought forward 5 1 0 Brown post, with water 2 3 0 COAL, foul 0 0 7 7 4 7
Carried forward 5 1 0	Carried forward 7 4 7

No. 1,803.—SHIREMOOR.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In. 7	Fs. Ft. In. Fs. Ft. In. Brought forward 12 2 0 10 1 1
	1	4	6				High Main Seam—
A grey post girdle or							Ft. In.
lump	0	0	6				COAL 3 6
Grey and black metal	0	3	0			•	COAL, hard
COAL, foul	0	0	6				foul brassy 0 3
				2	2	6	COAL, soft
							danty 0 1
Blue and black metal	3	0	0				COAL 0 5
Grey metal and metal							1 0 7
stone	2	0	0				13 2 7
White post	2	$\frac{2}{1}$	0				Grey metal 0 0 2
Whin	0	1	6				Bottom Coal of High
White post, with water	1	$\frac{1}{2}$	6				Main Seam—
Brown metal stone	U	Z	6				Ft. In.
Grey and white post,		3	0				COAL 0 11
	Z	3	U				COAL, foul
Black metal, mixed with coal	0	0	6				brassy 0 11 COAL 0 6
Blue and black metal,	U	U	O				Black metal,
with some small							scared with
white girdles or							coal 0 3
lumps	0	3	0				0 3
тапро	v						0 2 9
							In blue metal 0 0 10
				_			111 111 0 0 10
Carried forward	12	2	0	10	1	1	Total 24 1 3

No. 1,804.—SHIREMOOR.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Shiremoor, about 400 yards North of the Engine. November 8th, 1756.

C1 3						Fs.	Ft.	In.	Fs.	Ft.	In.	
Sunk to the scaffo	old.											
						2	1	6				
Brown post, with	small	scares	of coa	l pipes	and							
water								0				
Grey metal						0	1	6				
COAL—High M						1	0	3				
Black grey metal						0	0	3				
COAL—Bottom	Coal of	fHigh	Main	Seam		0	2	2				
								_	9	5	8	
In grey metal									0	0	5	
	<i>r</i> .	Total							10	0	1	

No. 1,805.—SHIREMOOR.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Account of the Boring near Shiremoor, about 600 yards to the South from the Fell Gate and 20 yards West from the Wagonway. 1765.

Approximate surface level feet above sea (Ordnance datum).

				Fs. Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil and stony clay	2	3	0			Brought forward 35 1 6
Gravel, with a mixture						Soft blue grey metal 3 0 0
of clay and water	1	0	0			Blue and black metal 0 4 0
Sand						Black metal, with a
Stony clay	18	1	9			mixture of coal 0 0 6
Grey and blue metal	0	4	9			39 0 0
Brown gullety post	Õ	ñ	9			Grey metal 0 3 0
Grey post, with brown		·	U			Grey and red scamy
scamy partings		0	0			metal stone 0 3 0
Whin	0	0	0			
Whin	U	4	U			Grey metal 0 2 0
Grey and brown post,						Reddish brown post 0 5 0
with scamy partings		_				In red and grey post 3 2 0
and water		3	0			5 3 0
Grey metal stone, with						
girdles	0	3	0			
Carried forward	35	1	6			Total 44 3 0
						-

No. 1,806.—SHIREMOOR.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Account of Boring at Shiremoor (supposed near Prospect Hill). October 6th, 1788.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In
Sunk to the top of a	Brought forward 23 2 4
coal about 1 yard	Grey metal 0 1 0
thick 12 3 9	Grey metal stone, with
Box and old borehole 8 4 3	post girdles and me-
Grey and scamy post 0 5 0	tal parting 6 0 5
Whin 0 1 2	COAL 0 0 8
Scamy post 0 0 6	29 4 5
White post, mixed	Grey metal, with scares
with whin 0 1 6 Scamy post 0 3 4 Black stone 0 0 10	of coal 0 0 4
Scamy post 0 3 4	Grey metal 0 0 8
Black stone 0 0 10	COAL 0 0 4
	0 1 4
Carried forward 23 2 4	Carried forward 29 5

No. 1,806.—SHIREMOOR.—CONTINUED.

72 110 1	Fs.	Ft.	In.		Ft.		Fs. Ft. In. Fs. Ft. 1
Brought forward		_	_	29	5	9	Brought forward 3 2 5 44 3
Grey metal stone			0				Black stone, with
COAL, with water	U	2	Z	_			scares of coal 0 1 0
				1	4	2	Black stone 0 3 6
Blue metal	0	0	4				Ft. In.
Grey metal stone, with							COAL, foul 1 6
water			6				Grey metal 1 6
Raised box	0	3	0				COAL, soft 0 4
Whin	0	1	0				COAL, splint 0 4
Grey metal stone, with							COAL 0 8
post girdles and							0 4 4
water	3	1	0				4 5
Dark grey metal	0	3	4				Grey metal 0 0 4
Black and grey metal,		_					White post 3 5 0
with scares of coal	0	0	9				Strong white post,
Grey metal		ĭ					mixed with whin 0 5 0
Grey metal stone, with	-		U				Strong white post 1 5 8
post girdles and							Whin mixture 0 0 10
water	2	0	0				Grey metal stone, with
Soft white metal	0	0	6				girdles and water 1 1 0
0.000	U	U	U				Grey metal 0 1 0
Dark grey metal, with	-	9	9				
girdles	1		3				COAL or black Ft. In.
Black slaty metal	U	0	О				stone 0 4
Ft. In.							COAL, not
COAL 2 6							good 0 9
Black metal 0 4							COAL 2 0
COAL 2 0							0 3 1
	0	4	10		_	_	8 3 1
				12	5	5	Soft grey metal 0 1 8
Grey metal, with post							Left off boring in grey
girdles and water	1	5					post 0 0 7
			0	7			0 2
Grey metal	0	5	0				
				_		_	
Carried forward	3	2	5	44	3	4	Total 58 2
White post Grey metal	0	5	0	_	3	4	m + 1

No. 1,807.—SHIREMOOR.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Account of a Boring in the Polly Pit, Shiremoor, from the Thill of the High Main Coal. July 22nd, 1794.

Box Grey metal stone Whin girdle	5 2	0	0	s. Ft. In.	Brought forward Blue stone White post	7	1 3	1	Fs.	Ft.	In.
Carried forward	7	1	1		Carried forward	8	4	5			

No. 1,807.—SHIREMOOR.—CONTINUED.

D 110 1			In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	8	4	5				Brought forward 34 4 71
Grey post, with metal	1	2	0				Blue stone 0 3 0
partings and water	1		-				Grey post 3 1 4
White post	0	2 2	$\frac{2}{0}$				Post girdles, with
Grey stone COAL — Metal or	U	2	U				partings 0 3 10
Stone Coal Seam	0	2	Q1				Strong post girdles 1 2 0
Stone Coat Beam	U	4	$8\frac{1}{2}$				Grey stone 0 3 3 Blue stone 0 3 1
			_	12	1	$3\frac{1}{2}$	COAL
Thill	0	-1	0				
0 13 1	3	$\frac{1}{0}$	6				7 2 7
XX72 1 1 72	0	0	-				Blue stone 0 3 0
Dark blue metal stone	1	2					Post girdles, with me-
Grey post, with water		ĩ					tal partings 0 5 0
COAL	0	0					White post 0 2 0
	Ŭ	Ŭ	•	c	^	11	Blue stone 0 5 1
				6	U	11	Grey post 0 3 2
White post, with me-							Strong post, with me-
tal partings	1	5	0				tal partings 1 4 9
Blue metal	0	1	ŏ				Whin girdle 0 0 9
COAL, stony	0	3	1			-	Strong white post,
, ,				2	3	1	mixed with whin 0 4 0
				4	9	т.	Strong whinny post 1 1 0
Blue stone	0	2	0				Whin girdle 0 1 2
White post	0	2	8				White post 4 0 0
Blue stone	1	0	0				COAL 0 0 6
Grey stone	0	5	0				11 0 5
White post	0	2	0				Grey stone 0 4 8
Whin	0	2	0				
White post	0	3	.0				1 0 0
Post girdles, with me-							Strong post 0 1 7
tal partings	1	3	8				Grey stone, with hard
Grey stone	0	4	2				lumps 0 5 7
Post girdles, with me-							Blue stone, with whin
tal partings	1	2	6				girdles 1 0 0
Grey stone, with hard	_	_	_				Whinny post 0 2 5
lumps	1	2	0				Grey stone 0 3 0
Ft. In.							COAL 0 2 6
COAL, with a							5 4 10
middle band 2 0							0 111
Blue metal stone 2 6							Grey metal stone 0 4 0
COAL 3 0							Whin post 0 2 0
	1	1	6				Grey post 0 3 0
				10	0	6	Whin girdle 0 1 0 Grev post 0 1 6
				10	U	0	71
Thill	0	0	8				COAL 0 1 8
White post	ĭ	ĭ	6				
Grey post	ō	2	8				Grev stone 0 1 9
Black stone	0	2	6				6641
White post	0	1	6				COAL 0 1 0 0 2 9
White post, with metal							
partings	0	3	4				Grey stone 0 3 0
Whin	0	2	2				In hard post 12 0 0
White post	0	2	0				12 3 0
COAL	0	0	6				
	_		_	3	4	10	
							Total depth below the
Carried f	orw	ard	. ;	34	4	71	High Main Coal $74 \cdot 2 \cdot 7\frac{1}{2}$
						-	
							R

No. 1,808.—SHIREMOOR.

TOWNSHIP OF EARSDON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 2' 26", Long. 1° 30' 10".

Account of Strata bored through in No. 1 Hole on Shiremoor, 700 yards West from Earsdon, in the Lane close to Bertram Place. Finished September 3rd, 1818.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Sand and soil 0 1 6 Brown clay 0 3 0	Brought forward 2 5 5 23 2 8 Blue stone 0 3 0
Brown clay 0 3 0 Blue gravelly clay 0 4 0	Blue stone 0 3 0 Black stone 1 5 2
Sand, with small coal	COAL 0 0 5
and water 0 5 0	0 0
Blue gravelly clay 1 1 6	5 2 0
Grey scamy post gir-	C 41:11
dles 1 4 0	Grey thill 0 3 0 Grey post 0 2 0
Black stone, mixed	White post, with whin
with $coal$ 0 1 2 Grey thill 0 3 0	clyers 9 1 4
CIO, DILLIC III	Grey metal stone, with
Grey metal stone, with post girdles 2 3 0	girdles 0 3 6
Dark grey metal 0 1 0	
Black stone, mixed	High Main Coal
with coal at bottom 0 1 0	Seam— Ft. In.
0.4.0	COAL 3 2
8 4 2	COAL, slaty 0 1
Grey thill 0 3 4	COAL 2 7
Post girdles, with me-	Swad 0 3
tal parting 1 3 6	Grey thill 0 9
White post, with part-) 8 4 0	COAL. bot-
ings, whin clyers, $\begin{cases} 8 & 4 & 0 \\ 3 & 4 & 0 \end{cases}$	tom 2 1
and water)	1 3 4
Grey metal 0 1 4 COAL 0 0 4	
0 0 4	12 0 2
	Thill stone 0 1 0
Grey thill 0 0	
Grey scamy post 0 3 0	
Dark grey metal, with	
scamy post girdles 2 2 0	
Carried forward 2 5 5 23 2 8	Total 41 0 10

^{*} Approximate sea level (Ordnance datum).

No. 1,809.—SHIREMOOR.

TOWNSHIP OF EARSDON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in No. 2 Hole in West end of Fenwick's Moor, and 100 yards North of Earsdon Lane, on Shiremoor. Begun September 4th, 1818; finished December 2nd, 1818.

black stone 0 0 8 15 1 5	**													
Brown gravelly clay 0 5 0					Fs.	Ft.	In.	1.	Fs.	Ft.	In.			
Blue gravelly clay 2 3 0									_	_		50	2	9
Grey scamy prey metal stone, with post girdles											-			
Scamy grey post gradles, with metal Scamy grey post gradles, with partings O 5 9 9 Grey metal Scamy grey post gradle, with partings O 5 9 Grey metal Scamy grey post gradle, with partings O 5 9 Grey metal Scamy grey post gradle, with partings O 5 9 Grey metal Scamy grey post gradle, with partings O 5 9 Grey metal Scamy grey post gradle, with partings O 5 9 Grey metal Scamy grey post gradle, with partings O 5 9 Grey metal Scamy grey post gradle, with partings O 5 9 Grey metal Scamy grey post gradle, with partings O 5 9 Grey metal Scamy grey post gradle, with partings O 5 9 Grey metal Scamy grey post gradle, with partings O 5 9 Grey metal Scamy grey post gradle, with partings O 5 9 Grey metal Scamy grey post gradle, with partings O 5 9 Grey metal Scamy grey post gradle, with partings O 5 9 Grey metal Scamy grey post gradle, with partings O 5 0 Grey metal Scamy grey post gradle, with partings O 5 0 Grey metal Scamy grey post gradle, with partings O 5 0 Grey metal Scamy grey post gradle, with partings O 5 0 Grey metal Scamy grey post gradle, with partings O 5 0 Grey metal Scamy grey post gradle, with girdles O 3 6 Grey metal Scamy grey post gradle, with girdles O 3 6 Grey metal Scamy grey post gradle, with girdles O 3 6 Grey metal Scamy grey post gradle, with girdles O 3 6 Grey metal Scamy grey post gradle, with girdles O 3 6 Grey thill Scamy grey post gradle, with girdles O 3 6 Grey thill gradles O 3 6 Grey thill gradles O 3 6 Grey thill gradles O 3 6 Grey thill O 4 Grey thill with girdles O 5 0 Grey thill O 4 Grey thill with girdles O 5 0 Grey thill O 4 Grey thill with girdles O 5 0 Grey thill O 4 Grey thill		Z	3	U										
Siricles									T	U	O			
Whin girdles, with metal 2 1 0 Grey scamy post, with water 0 5 0 Grey metal stone 1 0 6 Ft. In. COAL 0 8 Grey metal 0 4 COAL 0 6 Grey thill 0 3 0 0 0 3 0 COAL 0 0 4 0 0 2 0 Grey thill 0 2 0 7 7 1 8 Grey metal girdles 4 1 8 Dark and light grey metal at bottom 2 1 5 COAL 0 2 2 7 7 7 1 8 Grey stone thill 0 3 0 0 5 0 Grey stone thill 0 5 0 COAL 0 5 0 Grey stone, with girdles 13 4 9 Black stone, with girdles 13 4 9 Grey thill 0 5 0 Grey th	4 77	0	0	^					0	~	0			
Scamy grey post girdle, with partings 2 2 3		3	3	U										
Coal	1.1	9	1	0					U	3	3			
Water 0 5 0		4	Т	U				dle with portings	9	ด	9			
COAL		0	5	Λ					4	4	9			
COAL 0 8 Grey metal 0 4 COAL 0 6				-					a	1	4			
Dark and light grey metal at bottom 0 2 2 0 3 0 0 3 0 0 0 3 0 0	· ·	1	U	O						Т	4			
COAL 0 4 6 6 6 6 6 6 6 6 6									0	Λ	9			
COAL 0 6 0 1 6 11 2 0								black stone	U	U	9			
Grey thill 0 0 4 Grey thill 0 0 0 4 Grey metal girdles 4 1 8 Dark and light grey metal at bottom 2 1 5 COAL 0 2 7 Grey stone thill 0 2 7 Grey stone, with girdles 13 4 9 Black stone, with girdles 13 4 9 Black stone, with girdles 0 5 0 COAL, mixed with black stone 0 0 8 Grey thill 0 0 0 8 Grey metal stone, with whin clyers, partings, and water 15 1 2 COAL 0 0 0 8 ——————————————————————————————									_		_	7	4	10
Grey thill 0 0 3 0 4 0 3 2 Scamy grey metal stone, with girdles 0 5 0 Grey stone thill 0 5 0 Grey stone, with girdles 13 4 9 Black stone, with girdles 0 5 0 Grey metal, and metal stone, with girdles 0 5 0 Grey metal stone, with girdles 0 5 0 Grey metal stone, with girdles 0 5 0 Grey metal stone, with girdles 13 4 9 Black stone, with girdles 0 5 0 Grey metal stone, with white post girdles 1 0 4 Grey metal stone, with white post girdles 1 0 0 White post girdles 0 5 0 Grey metal stone, with white post girdles 1 0 0 White post girdles 1 0 0 White post girdles 0 5 0 Grey metal stone, with white post girdles 1 0 0 White post girdles 1 0 0 White post girdles 0 5 0 Grey metal stone, with white post girdles 1 0 0 White post girdles 1 0 0 White post girdles 0 15 4 Grey metal stone, with white post girdles 1 0 0 4 Grey metal stone, with white post girdles 1 0 0 4 Grey metal stone, with white post girdles 1 0 0 4 Grey metal stone, with white post girdles 1 0 0 White post g	0 0	0	1	6										
Grey thill 0 3 0 0 4		0	т	- 0	11	9	0	Light grey thill stone	0	3	6			
Scamp Grey Instant Stone, with girdles 3 4 9	Grov thill	0	2	0	11	2	U	Grey post	0	3	2			
Stone, with girdles 3 4 9	0011							Scamy grey metal					1	
Grey thill 0 2 0 Grey metal girdles 4 1 8 Dark and light grey metal at bottom 2 1 5 COAL 0 2 7 Grey stone thill 0 3 6 Grey stone thill 0 5 0 Ellack stone, with girdles 13 4 9 Ellack stone, with girdles 0 5 0 COAL, mixed with black stone 0 0 8 Grey thill 0 0 8 Grey thill 0 0 0 8 White post, with whin clyers, partings, and water 15 1 2 COAL 0 0 0 8 COAL 0 0 0 8 Grey thill 0 0 0 8 Grey thill 0 0 0 8 The first grey metal, with girdles 0 5 0 Grey stone thill 0 3 6 Grey post 0 5 0 Grey metal stone, with white post girdles 1 0 4 White post girdles 1 0 0 White post girdles 1 0 0 White post girdles 0 5 0 COAL, danty 0 0 10 Left off in grey thill 0 4 6 Left off in grey thill 0 4 6	COAL	U	U	'±'	0	2	4.	stone, with girdles	3	4	9			
Grey metal girdles 4 1 8 Dark and light grey metal at bottom 2 1 5 COAL 0 2 7 Grey stone thill 0 3 6 Grey stone thill 0 5 0 Light and dark grey metal, and metal stone, with girdles 13 4 9 Black stone, with girdles 13 4 9 Black stone, with girdles 0 5 0 COAL, mixed with black stone 0 0 8 Grey thill 0 0 0 8 Grey thill 0 0 0 8 White post, with whin clyers, partings, and water 15 1 2 COAL 0 0 0 8 — 16 0 4	Gray thill	0	9		U	o	12	Dark grey metal, with						
Dark and light grey metal at bottom 2 1 5								girdles	0	5	0			
metal at bottom 2 1 5 Grey stone thill 0 3 0 Grey stone thill 0 3 0 Grey stone thill 0 3 0 Grey metal stone, with white post girdles 1 0 4 Grey metal stone, with white post girdles 1 0 0 4 Grey metal stone, with white post girdles 1 0 0 Grey metal stone, with white post girdles 1 0 0 White post girdles 1 0 0 0 Grey metal stone, with white post girdles 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		T		O				Black stone, mixed						
Grey stone thill 0 2 7 7 1 8 Grey stone thill 0 3 6 Grey post 0 5 0 Grey metal stone, with girdles 13 4 9 Black stone, with girdles 0 5 0 COAL, mixed with black stone 0 0 0 8		2	1	5				with —— at bottom	0					
Grey stone thill 0 5 0 Grey stone thill 0 5 0 Grey metal stone, with white post girdles 1 0 4 Stone, with girdles 13 4 9 Black stone, with girdles 0 5 0 COAL, mixed with black stone 0 0 8 Grey thill 0 0 8 White post, with whin clyers, partings, and water 15 1 2 COAL 0 0 8 The post 0 5 0 Grey metal stone, with white post girdles 1 0 0 White post girdles 1 0 0 White post 3 5 4 COAL, danty 0 0 10 Left off in grey thill 0 4 6 Left off in grey thill 0 4 6	0011							Grey stone thill			_			
Grey stone thill 0 3 0 Light and dark grey metal, and metal stone, with girdles 13 4 9 Black stone, with girdles 0 5 0 COAL, mixed with black stone 0 0 8 Grey thill 0 0 8 White post, with whin clyers, partings, and water 15 1 2 COAL 0 0 8 — 16 0 4					7	1	8	Grey post	0	5	0			
Light and dark grey metal, and metal stone, with girdles 13 4 9 Black stone, with girdles 13 4 9 Black stone, with girdles 0 5 0 COAL, mixed with black stone 0 0 0 8 Grey thill 0 0 0 8 Grey	Grev stone thill	0	3	٥	•	_	.5							
metal, and metal stone, with girdles 13 4 9 Black stone, with girdles 13 4 9 White post girdles 1 0 0 White post girdles 1 0 0 White post stone, with black stone 0 0 8 Grey thill 0 0 8 Grey thill 0 0 4 6 White post, with whin clyers, partings, and water 15 1 2 COAL 15 1 2 COAL 0 0 8		v							1	0	4			
stone, with girdles 13 4 9 Black stone, with girdles 0 5 0 COAL, mixed with black stone 0 0 8														
Black stone, with girdles 0 5 0 COAL, mixed with black stone 0 0 8		13	4	9										
dles 0 5 0 COAL, mixed with black stone 0 0 8 Grey thill 0 4 6 White post, with whin clyers, partings, and water 15 1 2 COAL 0 0 8		10	_					White post						
COAL, mixed with black stone 0 0 8 15 1 5	.11	0	5	0				COAL, danty	0	0	10			
black stone 0 0 8 15 1 5												13	3	7
Grey thill 0 4 6 White post, with whin clyers, partings, and water 15 1 2 COAL 0 0 8 16 0 4		0	0	8				T .Ct .CC in cover thill				Λ	· 1.	6
Grey thill 0 4 6 White post, with whin clyers, partings, and water 15 1 2 COAL 0 0 8					15	1	5	Left of in grey thin				Ÿ	T	U
White post, with whin clyers, partings, and water 15 1 2 COAL 0 0 8	Grev thill	0	4			_	-							
clyers, partings, and water 15 1 2 COAL 0 0 8														
water 15 1 2 COAL 0 0 8														
COAL 0 0 8 16 0 4		15	1	2										
16 0 4	COAL	_												
				_	16	0	4							
Carried forward 50 2 9 Total <u>72 3 8</u>													_	
	Carried for	war	d		50	2	9	Total				72	3	8
											=			_

No. 1,810.—SHIREMOOR.

TOWNSHIP OF EARSDON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 2′ 18", Long. 1° 30′ 50".

Account of Strata bored through in No. 3 Hole, on Shiremoor, against the South Hedge of Storey's House, 100 yards West from Moor Edge. Begun December 3rd, 1818; finished January 11th, 1819.

	Fs.		In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In
Soil	0	1	0				Brought forward 18 4 0 12 2 4
Brown clay	1	0	0				Dark grey metal stone, (1 2 8
Blue gravelly clay	3	0	8				with girdles 0 3 4
Sand	0	1	4				COAL 0 0 2
Blue gravelly clay	0	1	8				
Livery clay	Ŏ	3	ŏ				20 4 2
Blue gravelly clay	1	2	4				
			-30				Grey thill 0 0 6
Grey metal, with post	0	5	c				Grey post 0 3 6
girdles			6				Post girdle 1 2 0
Black stone	0	1	0				Grey metal stone 1 4 0
Grey metal stone	2	2	9				COAL 0 1 2
Post girdles, with me-	_						3 5 2
tal partings	1	3	0				3 5 2
Dark grey metal	0	2	10				Grev thill 1 0 0
COAL	0	1	3				
				12	2	4	
				14	2	70	Black stone, mixed
G 41.91	0	0	0				with coal 0 1 0
Grey thill	0	2	0				Dark grey metal, with
Scamy post girdle,	_						dark scamy post
with metal partings	2	4	8				girdle 2 3 0
Grey metal stone	1	4	0				Dark grey metal, with
Dark grey metal, with							girdles 1 2 0
girdles	1	5	0				Post girdle, with
Dark blue stone	0	3	0				scamy partings 1 1 0
Light grey metal stone	1	1	6				White post 1 2 3
Grey post and whin							Scamy grey metal 0 1 0
girdles, with metal							Scamy grey metal 0 1 0
partings	1	0	0				Ft. In.
Grey metal stone, with	-	0	•				COAL 1 9
	2	0	0				Grey metal $0 ext{ } 4\frac{1}{2}$
girdles	0		10				COAL 0 3
Black stone							0 9 41
Grey thill	0	2	6				$ 0 2 4\frac{1}{2}$
Dark grey metal, with	_	_	_				9 0 10
girdles	0	5	0				
Light grey metal, with							Grey thill 0 0 8
girdles	2	5	0				Grey metal, with metal
Grey post girdles, with							and post girdles 2 2 10
metal partings	2	3	0	-			Dark grey metal 0 1 6
Grey metal	0	3	0				Black stone, mixed
Black stone	0	0	6				with coal 0 0 11
							Grey thill 0 1 0
							Grey metal stone 0 1 0
•							
							3 1 1
					_	_	***************************************
Carried forward	18	4	0	12	2	4	Total 49 2 5

^{*} Approximate sea level (Ordnance datum).

No. 1,811.—SHITTLEHEUGH.

TOWNSHIP OF OTTERBURN, NORTHUMBERLAND.

Sheet 51 of Ordnance Map. Lat.

, Long.

Bored in the North-west Corner of Shittleheugh Estate, near Otterburn, by Thomas Patterson.

Approximate surface level

feet above sea (Ordnance datum).

		5 1 0 1 1	$0 \\ 3 \\ 3 \\ 0 \\ 2$	0 0 2 10 0	Fs. Ft.	In.	Brought forward 9 5 2 COAL, soft danty 0 0 3 Yellow metal 0 2 0 COAL, soft danty 0 0 5 White metal 0 0 5 COAL, soft danty 0 0 5
White metal Carried forward	•••	0	1	6			Total 10 2 8

No. 1,812.—SHORESWOOD.

TOWNSHIP OF SHORESWOOD, NORTHUMBERLAND.

Sheet 6 of Ordnance Map. Lat. 55° 42′ 32″, Long. 2° 4′ 3″.

Account of Strata sunk through at Messrs. Carr & Co.'s Shoreswood Colliery, near Berwick, North Northumberland, in 1843.

Soil	0 0 9 3 3 3 4 0 1 6	Fs. Ft. In.	Brought forward 22 2 3 Main Coal or Bulman Seam— Ft. In. COAL 0 8 Grey stone 0 8 COAL 1 4 Chalk stone 0 1 Hard grey.
Dark blue metal 2	2 2 3		Hard grey stone 1 10
_			COAL, splint 1 4 COAL, ground 0 8
			Chalk stone 0 1 COAL, sooty 0 11
Carried forward 22	2 2 3		Carried forward 23 3 10

No. 1,812.—SHORESWOOD.—CONTINUED.

	Fs.	Ft. In. H	s. F	t. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward		Ft. In. F	3 3	3 10	Brought forward $0 2 6 40 2 3\frac{1}{3}$
Blue metal	0	1 0			COAL—Three-Quar-
Hard tills	0	2 2			ter Coal 0 2 1
Soft tills	0	1 4			0 4 7
Ft. In.					
COAL 1 2					Black metal 0 3 0
Limestone 1 3					COAL 0 0 $2\frac{1}{2}$
0041 0 11					$ 0 3 2\frac{1}{2}$
COAL 0 11	0	0 . 4			Light blue metal 0 0 43
	0	3 - 4	4 4	10	Dark brown limestone 0 1 4
			1 1	10	
Blue metal	0	3 11			0.041
COAL	0	0 11			COAL 0 0 5
			0 4	10	$ 0 2 9\frac{1}{2}$
~ .				E IO	Metal 0 1 0
Grey stone	0	1 2			Limestone 0 3 0
Blue metal	1	2 0			
Limestone	0	2 10			Cooper Eye Seam—
COAL	0	0 9			Ft. In.
			2 (9	COAL 1 4
DI 4.3	_				Midstone
Blue metal	0	2 4			(dark blue
Grey stone	0	0 8			metal) 0 9
Ft. In.					2011
COAL 0 10					
Grey stone 0 8					2
COAL 1 4					
	0	2 10			Soft light blue metal 0 3 2
			0 8	5 10	Dark brown limestone 0 0 10
				, 10	Dark blue metal \(\begin{array}{cccccccccccccccccccccccccccccccccccc
Metal	0	5 8			0 0 8
Freestone	1	2 1			Hard flinty mottled
Dark blue metal	0	4 0			stone, sparry and
Soft white freestone	0	$2 \frac{1}{2}$			0 0 7
Dark grey stone	0	4 9			
Dark blue metal	0	1 0			
COAL	Õ	0 5			Soft light blue metal 0 0 8
			4 2	$0\frac{1}{2}$	Dark blue metal 0 4 3
			T 4	02	Hard freestone band 0 0 4
Dark blue metal	0	1 10			Blue metal, with ½-inch
Limestone	0	0 5			ironstone bands $0 2 1\frac{1}{2}$
Freestone	0	1 11			Dark blue limestone 0 0 7
Hard grey stone, with					Soft dark blue metal 0 0 6
water	1	1 2			COAL 0 0 2
Dark blue metal	2	0 0			3 1 01
TT72 */ 0 /	0				0.0133
		1 0			Soft blue metal 0 1 8
					White freestone band 0 0 2
		3 0			Soft light blue metal 0 0 4
Light blue metal	1				Hard flinty freestone 0 1 2
Limestone	0	1 11			Soft blue metal, with
Ft. In.					balls of ironstone 0 1 6
COAL 1 0					COAL 0 0 2
Grey soft stone					0 5 0
or middle					
stone 0 4					Dark blue metal, with
COAL 0 8					balls of ironstone 0 3 6
0 0	0	2 0			Soft light blue metal,
	U				with hard balls 0 5 4
	_		7	1 2	
Metal	0	0 5			1 2 10
	_				
Grey stone or macker	0	2 1			
Cam. 1.6		9 2	0 0		// 10 × 01
Carried forward	. 0	2 6,4	0 2	31	Total $48 \ 5 \ 0\frac{1}{2}$

^{*} Approximate sea level (Ordnance datum).

No. 1,813.—SHORTRIDGE.

TOWNSHIP OF LOW BUSTON, NORTHUMBERLAND.

Sheet 39 of Ordnance Map. Lat.

, Long.

Borings at Shortridge, near Warkworth, by W. Wilson. First Hole at Shortridge House. 1864.

Approximate surface level feet above sea (Ordnance datum).

Soil and cla	y					Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 21 5 7
Freestone			14	0	0				Black metal 0 1 6
Blue metal									White metal 0 3 8
			2	0	5				Blue metal 0 5 6
White meta	1		1	1	2				Freestone and metal 1 0 9
Blue metal			0	1	0				White freestone 1 3 0
Bastard free	eston	e '	0	4	0				Blue metal 0 5 4
Freestone ar	id m	etal	1	1	9				Freestone 0 0 6
Blue metal			1	4	9				5 2 3
COAL			0	0	6				*
			_	-	_	21	5	7	
								_	
70	Carr	ied for	war	d		21	5	7	Total 27 1 10

No. 1,814.—SHORTRIDGE.

TOWNSHIP OF LOW BUSTON, NORTHUMBERLAND.

Sheet 39 of Ordnance Map. Lat.

, Long.

Second Hole, North-west of the House and about 20 yards from the Railway. 1865. Approximate surface level feet above sea (Ordnance datum).

Soil and cla	y	•••	0	Ft. 4 0	0	Fs.	Ft.	In.	Brought forward 5 0 7 0 4 6 Limestone 0 0 9 Metal 0 1 4
Grey metal Limestone							_		Freestone 0 1 5 Blue metal and free-
Metal Freestone as Blue metal	nd me		0	3	-				stone 1 5 8 7 3 9
Carried		vard		0	4 7	0	4	6	Total <u>8 2 3</u>

No. 1,815.—SHORTRIDGE.

TOWNSHIP OF LOW BUSTON, NORTHUMBERLAND.

Sheet 39 of Ordnance Map. Lat. 55° 21′ 58", Long. 1° 37′ 37".

Third Hole, 320 yards North-west of the Second Hole, and at the North-west corner of Field.

Approximate surface level 160 feet above sea (Ordnance datum).

Soil and clay Clay and stone Light blue metal	•••		•••	 	1	_	0	Fs.		In. 0	
		Total		 				6	2	0	

No. 1,816.—SHORTRIDGE.

TOWNSHIP OF LOW BUSTON, NORTHUMBERLAND.

Sheet 39 of Ordnance Map. Lat. 55° 21' 2", Long. 1° 37' 46".

Fourth Hole, about 200 yards North-west of the Third.

Approximate surface level 170 feet above sea (Ordnance datum).

No. 1,817.—SHORTRIDGE.

TOWNSHIP OF LOW BUSTON, NORTHUMBERLAND.

Sheet 39 of Ordnance Map. Lat. 55° 21′ 3″, Long. 1° 37′ 52″.

Fifth Hole, about 150 yards North-west of the Fourth.

Clay 2 2 0 Freestone and sand 0 3 0 Limestone 0 3 3 Metal 0 2 9	Brought forward 3 5 0 Freestone 0 0 6 Metal 0 1 6 White freestone 1 5 0
Carried forward 3 5 0	Carried forward 6 0 0

No. 1,817.—SHORTRIDGE.—Continued.

Brought forward 6 Limestone 0 Freestone 1 Blue metal 0 Grey freestone 0 Grey freestone 1 Blue metal 4 Hard flinty freestone 1 Grey freestone 1 Metal 0 Hard dark freestone 0 Blue metal 2 Good blue limestone 0 Grey metal 0 Grey metal 0	1 1 2 0 1 1 1 0 0 3 11 0 0 4 5 1 0 10 4 2 0 0 0 1 1 5 7 1 4 0 0 1 6 0 1 6 0 1 2 2 2 6 6 0 4 0 0 0 2 7	Brought forward a White freestone, with water, about 16 gallons per minute, running to surface Blue metal Dark freestone Dark metal Dark metal Grey freestone Beddy metal Grey freestone	2 0 3 3 1 4 ** 0 2 2 0 4 1 0 3 2 1 4 5 1 0 6 2 0 9 1 2 0
	2 7		
Carried forward 27	7 5 9	Total	42 4 4

N.B.—These strata are in the Millstone Grit and the top part of the Carboniferous Limestone series.

* Approximate sea level (Ordnance datum).

No. 1,818.—SHOTTON.

TOWNSHIP OF SHOTTON, DURHAM.

Sheet 28 of Ordnance Map. Lat.

, Long.

Account of a Borehole near Shotton.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Clay 12 0 0	Brought forward 69 0 81
Yellow and brown	Red metal 0 2 5
limestone 50 0 0	Mild black metal 0 1 0
Blue limestone 2 0 3	Blue metal 0 2 0
Sand, very strong near	Red post 1 1 7
the top 4 0 2	Strong red post, approximating to whin 0 0 5
Mild blue metal 1 0 2	proximating to whin 0 0 5
Grey post girdle $0 0 1\frac{1}{2}$	
Carried forward 69 0 $8\frac{1}{2}$	Total $71 \ 2 \ 1\frac{1}{2}$
	S

No. 1,819.—SHOTTON.

TOWNSHIP OF SHOTTON, DURHAM.

Sheet 28 of Ordnance Map. Lat. 54° 45′ 54″, Long. 1° 22′ 56″.

Shotton Colliery, Section of the Engine Pit.

0.1.1				Fs.	Ft.	In.	Fs. Ft.				In.
Outset	3	0	3				Brought forward		70	1	7
Soil	0	1	0				Blue and brown post				
Yellow clay, with	_		_				girdles 0 0	4			
gravel and water	0	4	0				Soft blue metal 0 5	0			
Blue clay		1	0				Soft blue metal, scared				
Dry gravel	0	3	6				with black 0 4	0			
Strong blue clay	1	0	5				Soft red metal 0 2	6			
Dry sand, with gravel	0	0	7				Strong black stone 0 0	6			
Strong blue clay,							Soft blue metal 0 1	0			
mixed with stones	1	4	6				Red metal 1 0	6			
Dry sand	0	0	4				Mild red and grey post				
Brown clay	1	2	0				(2 wedging cribs laid				
Dry gravel	0	2	4				in this post for a				
22, 824, 22				13	1	11	permanent founda-				
Limestone ramble	1	3	3				tion) 0 4	6			
Strong brown lime-	_	_					Blue red whin girdle,	U			
stone	13	0	0				3 feet thick on east				
Strong yellow lime-	10	•	v				side of pit, and 6				
stone (got the first							inches thick on west				
								0			
water at this part-	5	9	0				side 0 1	9	4	0	1
ing)	5	2	U				W:14 1 2 2	_	4	2	T
Strong light brown	14	=	0				Mild grey metal 1 2	0			
limestone	14	5	U				Grey post girdle 0 2	6			
Very strong grey lime-							Dine and red metal 4	10		_	*
stone, with white							(0 1	2			
partings and water,	0	^	0				Grey post girdle 0 1	0			
50 galls. per minute	9	0	0				Blue metal 0 2	6			
Mild yellow limestone							COAL 0 2	8			
and water feeder,	_		_						3	1	8
30 galls. per minute	5	3	7				Thill stone 0 0	9			
Strong brown lime-							Strong red and grey				
stone, with several							metal 0 4	10			
gullets and water,							Grey post 0 3	0			
45 galls. per minute	2	1	4				Strong coarse white				
Strong brown lime-							post 1 3	5			
stone	0	1	4				Red and blue metal 1 0	6			
Strong yellow lime-							Strong white post,	Ŭ			
stone, mixed with							mixed with red 2 2	6			
brown	0	3	3				COAL 0 1	2			
Strong blue limestone,								_	6	4	2
in thin panels	0	2	4				Soft thill 0 0	4	'		
				52	4	1	0.4				
Blue and grey metal	0	1	4				1 04 4 1 2 0				
Sand, with water	2	4	3				71				
Strong sand or post,								0			
feeder 256 galls.								0			
per minute	1	2	0				COAL 0 1	U	2	1	0
		_		4	1	7			0	4	U
					_	_					
Carried for	ward	1		70	1	7	Carried forward	5	38	1	6
					_		Carriou 101 mail u			-	9

^{*} Approximate sea level (Ordnance datum).

No. 1,819.—SHOTTON.—CONTINUED.

Brought forward	t. In. Fs. Ft. In. 88 1 6	Brought forward	Fs. F	t. In.	Fs. 1	Ft.	In. 31
Soft thill, with scares	00 1 0		U	<u> </u>	141	2	32
	0 8	Five-Quarter Seam—					
Grey metal, with thin		COAL, splint 0 3					
	4 0	COAL, coarse 0 3½					
	2 4 3 0	COAL, tender 3 4					
	5 8	announa a	0	$3 \ 10_{5}$	2		
Very strong mixture	,				6	0	$7\frac{1}{2}$
post, like granite 0	2 6	Strong thill stone	0	2 5	Į.		
Strong flinty white		Dark metal		0 9			
post, with a red parting at top 0	1 21	Grey metal	0	1 3			
I o	$egin{array}{ccc} 1 & 2rac{1}{2} \ 0 & 3 \end{array}$	Dark metal and coal bands	0	1 8			
Diack Stolle, Williams		oanas Ft. In.	v	1 0			
	$$ 11 1 $7\frac{1}{2}$	COAL, coarse 0 3					
Grey metal, with post		Grey metal band 1 6					
girdles, a rise trouble to the west of 2 feet 1	4 4	COAL 1 7	0				
	0 0		0	3 4			
	2 7				1	8	6
Strong grey metal 1	4 11	Thill		1 8			
	1 7	Grey metal		2 1			
Strong grey metal and	0 5	Grey post		3 0			
	0 3	Grey metal		$\begin{array}{ccc} 1 & 4 \\ 1 & 4 \end{array}$			
	1 01	Strong dark grey post Grey metal		1 4			
	14 3 1 1	Strong white post	-	$\tilde{5}$ $\tilde{4}$			
	14 5 12	Black metal partings		0 3			
	$3 6\frac{1}{2}$	Strong white post	4	4 1			
	3 8	Main Coal Seam-					
Strong grey metal and post girdles 2	5 8	Ft. In.					
	5 8 5 8	Splint 0 9					
	0 3	COAL, rather					
	$3 1\frac{1}{2}$	coarse 0 $10\frac{1}{2}$					
7 7 0 1 2			0	4 4		0	01
Three-Quarter Seam—		m			13	U	32
COAL, coarse 0 3		Thill		0 10			
COAL, good 1 8		Grey post Grey metal		$\begin{array}{ccc} 1 & 0 \\ 4 & 6 \end{array}$			
Band $0 4\frac{1}{3}$		Blue metal		$\stackrel{\stackrel{1}{\scriptstyle 1}}{\scriptstyle 5}$			
COAL, good 1 0		Black stone	0	1 5			
Band $0 ext{ } 1\frac{1}{2}$		COAL, foul	0	0 6			
COAL, rather coarse $0 3\frac{1}{2}$					2	3	8
Band 0 2		Thill		0 9			
COAL 0 3		Grey metal		3 6			
0	$4 1\frac{1}{2}$	White post girdles		0 9			
	7 2 01	Blue metal		$egin{array}{ccc} 2 & 6 \ 1 & 9 \end{array}$			
	. = 02	Grey post Strong white post	-	4 1			
Soft metal, with iron	4 0	Grey post, with metal					
balls 0 Blue metal, with iron	4 0	partings		2 1			
	4 31/2	Whitish blue post		2 5			
	2 6	Mild grey post		$\begin{bmatrix} 1 & 3 \\ 4 & 8 \end{bmatrix}$			
Grey metal, soft at		Strong white post COAL — Low Main	-30	. 0			
bottom 1	3 10	Seam	0	2 9			
Black stone 0	$0 1\frac{1}{2}$				19	2	6
Carried forward 5	$\frac{1}{2} \frac{1}{9} \frac{1}{121} \frac{1}{2} \frac{3\frac{1}{2}}{3\frac{1}{2}}$	Carried for	ward		164	1	41
Carried forward 5	4 3 141 4 32	Carried 101				_	- 4

No. 1,819.—SHOTTON.—CONTINUED.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In. Brought forward 1 4 4½ 172 5 6
Brought forward 164 1 4½	Very strong brown
Dark thill $0 \ 0 \ 4\frac{1}{3}$	post 0 1 3
Grey metal, with post girdles 5 2 8	post or 1
girdles 5 2 8	Strong white post.
COAL—Brass Thill	with beds of metal 2 4 6
Seam 0 1 2	Grey post, mixed with
5 4 Z 2	metal and strong
Grev metal 0 2 4	girdles at bottom 1 2 8
Grey metal 0 2 4 Dark metal 0 0 6	Hutton Seam— Ft. In.
Grey post 0 2 10 Dark grey metal 0 2 0	COAL good 1 6
Dark gray metal 0 2 0	Band 0 2
White post girdle 0 1 0	Band 0 2 COAL 2 5
Grey metal, with post	Swad 0 1
girdles, very dark at	COAL, bot-
bottom 1 2 9	$tom \dots 1 3\frac{1}{2}$
COAL 0 0 6	$\frac{1}{}$ 0 5 5\frac{1}{2}
COAL 0 0 0 2 5 11	7 0 3
Soft metal $0 \ 0 \ 4\frac{1}{2}$	Thill 0 1 4
Strong white post gir-	Black stone parting 0 0 2
dle, with beds of	Strong grey thill 0 1 2
grey metal 1 4 0	0 2 8
	700 0 5
Carried forward 1 4 4½ 172 5 6	Total 180 2 5

No. 1,820.—SHOTTON.

TOWNSHIP OF SHOTTON, DURHAM.

Sheet 28 of Ordnance Map. Lat. 54° 45' 53'', Long. 1° 22' 56''.

Account of Strata sunk through in the North Pit, Shotton Colliery. Commenced November 18th, 1840.

Outset walling 2 0 2 Soil 0 1 0 Clay, mixed with sand,	Brought forward 35 2 0 12 0 5 Very strong grey limestone, with white
gravel, and stones 9 5 3	partings and water 9 4 0
Light yellow lime-	Mild yellow limestone, with gullets 4 5 0
stone 11 0 0	Strong brown lime-
Strong brown lime-	stone, irregular, with
stone 3 3 0	more gullets 1 5 7
Light yellow lime-	Strong blue limestone 0 2 4
stone 6 0 0 Strong brown lime-	Strong yellow lime- stone, mixed with
stone (first water at	blue alternately 0 3 0
this parting) 2 0 0	Strong blue limestone,
Strong light brown	in thin panels,
limestone, with more	mixed 0 2 0
water 12 5 0	52 5 11
Carried forward $\overline{35}$ $\overline{2}$ $\overline{0}$ $\overline{12}$ $\overline{0}$ $\overline{5}$	Carried forward 65 0 4

No. 1,820.—SHOTTON.—CONTINUED.

	Fs.	Ft.			Ft. 1		Fs. Ft. In. Fs. Ft. In.
Brought forward		_		65	0	4	Brought forward 2 3 7 88 5 1
Blue and grey metal	0	1	4				White post, with water 0 1 6
Yellow sand, with							Grey metal 0 1 0
water	4	3	0				White post with whin,
Strong yellow sand or							and mixed with red
post	1	4	0				partings (lowest
	_		_	6	2	4	feeder in this post) 7 4 6
Blue and brown post							Black stone 0 0 3
girdles	0	2	6				Soft thill stone 0 1 6
Soft blue metal	0	3	3				Blue metal 0 4 5
Soft blue metal, scared							Grey post 3 3 10
with black	0	2	9				Dark metal, with iron-
Soft red metal		2	9				stone girdles 3 2 0
Strong black stone	0	0.	6				Strong grey metal 1 4 11
Soft blue metal	0	0.	9				Mild grey metal 1 1 7
Soft blue metal Red metal	0	4	6				Strong grey metal,
Mild red and grey							with post girdles 3 0 2
post (two wedging							Black stone 0 0 3
cribs laid in this							COAL, splint 0 1 01
post for a permanent							$-\frac{25}{25} \cdot 0 \cdot 6\frac{1}{2}$
foundation)	0	2	9				Strong thill and metal 0 3 0
Blue whin girdles	Ō	1	4				Strong grey metal 0 3 0
Mild grey metal	1	3	7				Strong grey metal,
Mild orey nost i	ō	0	8				with post girdles 2 2 8
Mild grey post }	0	-	10		- 1	Vc	Blue metal, mixed
	U	1	TO				with black 1 3 8
Blue metal, scared	0	9	7				COAL
with red	0	3	3				Black stone, with coal 0 2 9
Mild grey post girdles	0	1	9				Three-Quarter Seam-
Blue metal, soft at	0	9	9				Ft. In.
bottom	0	3	3				COAL, splint 0 3
COAL	0	2	7	H	7 1	اما	COAL, good 1 8
(D) *11	_		_	7	1 1	LU	Metal band 0 41
Thill	0	0	9				COAL, good 1 0
Red and grey metal	1	2	0				Metal band 0 11
Grey post girdle	0	1	0				COAL, coarse 0 3½
Coarse white post	2	0	0				Metal band 0 2
Strong white and red	_	_	_				COAL, coarse 0 3
post	3	1	0				$\frac{0}{1}$ 0 4 $1\frac{1}{2}$
COAL	0	1.	2				$\frac{1}{2}$ 6 1 5 $\frac{1}{2}$
				6	5	11	Grey metal, with iron-
Thill	0	0	4				stone balls 0 4 8
Strong grey thill	0	4	6				Blue metal, with iron-
Grey metal	0	1	3				
White post girdles and							stone girdles 2 0 9 Mild grey post 2 0 6
water	0		0				
Grey metal	0	1					Mild grey metal, soft at bottom 1 2 10
White post girdles	0	0	10				701 1 4
Blue metal, with gir-		-					Black stone $0 \ 0 \ 1\frac{1}{2}$ Five-Quarter Seam—
dles	1		0				Ft. In.
COAL	0	0	10				COAL, splint 0 3
	_		-	3	0	8	COAL, coarse 0 31
Thill, with scares of							COAL, good 3 4
coal	0	0	7				$$ 0 3 $10\frac{1}{2}$
Grey metal, with gir-						-	7 0 9
dles	0	5	0				Strong thill stone 0 2 5\frac{1}{2}
Red and blue metal,							Dark metal $0 0 9\frac{1}{2}$
with red and grey							Grey metal $0 0 0 3$
post	0	3	0				Dark metal and coal
Grey post	1	1	0				bands 0 1 8
			_				0 1 0
Carried forward	2	3	7	88	5	1	Carried forward 1 0 2 127 1 10
				00	,	-	2001100 201 1 0 = 1=1 110
	* 1	ppi	oxi	mat	e se	a le	vel (Ordnance datum).

No. 1,820.—SHOTTON.—CONTINUED.

Brought forward	Fe Ft In	. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. I
Strong grey metal	Brought forward 1 0 2		Brought forward 164 5
Strong green metal 1 8 8 8 8 8 8 8 8 8	000		
COAL 1 7			
Thill stone			
Thill stone 0 1 8 8 Grey metal 0 2 1 Grey post 0 3 0 Grey metal 1 1 4 Grey post 0 1 4 Grey metal 1 1 4 Grey post 0 1 4 Grey metal 1 4 0 Grey post girdles, with beds of strong grey metal 0 0 2 3 Grey metal 0 0 2 3 Grey post, with very strong post girdles and grey metal 3 4 0 Mild grey post, with very strong green metal, with thin post girdles and grey metal 1 0 6 Black stone 0 0 1 3 Black stone 0 1 5 Grey post, with stone 0 0 4 ½ Thill stone 0 1 5 Grey metal 1 0 6 Black stone 0 0 4 ½ Hutton Seam— COAL, top 1 6 Stone 0 2 COAL, good 2 5 Band 0 0 4 COAL, bottom 1 3 Grey post girdles and grey metal 1 0 6 Grey post, with stone 0 0 0 4 ½ Hutton Seam— COAL, top 1 6 Stone 0 2 COAL, bottom 1 3 Grey post girdles and grey metal 1 0 6 Grey post, with seam— Thill stone 0 0 0 4 Grey post, with stone 0 0 0 4 ½ Hutton Seam— COAL, top 1 6 Stone 0 2 COAL, bottom 1 3 Grey post girdles and grey post girdles a			
Thill stone 0 1 8			
Grey metal 0 2 1 Grey post 0 3 0 Grey metal 1 1 4 Grey post 2 1 4 Grey metal 0 1 4 Strong white post 2 5 4 Black metal partings 0 0 3 Strong white post 3 2 2 COAL — Main Coal Seam 0 2 3 1 Strong green metal, with thin post girdles 0 1 3 Black stone 0 0 1 3 Black stone 0 0 0 6 Thill stone 0 0 0 6 Thill stone 0 0 0 6 Thill stone 0 0 0 6 Grey metal 1 0 6 Black stone 0 0 4½ Hutton Seam— Ft. In. COAL, top 1 6 Stone 0 2 COAL, good 2 5 Band 0 0 4 COAL, bot- tom 1 3 Thill stone 0 0 5 Band 0 0 4 Total metal 1 0 6 Stone 0 2 COAL, bot- tom 1 3 Thill stone 0 5 44 COAL, bot- tom 1 3 Thill stone 1 3 Thill stone 0 0 5 44 Thill stone 0 0 5 Thill stone 0 0 0 9 Grey metal 1 0 6 Black stone 0 0 4 Thill stone 0 0 5 44 COAL, bot- tom 1 3 Thill stone 0 0 5 44 Thill stone 0 0 5 44 Thill stone 0 0 4 Thill stone 0 0 5 5 Thill stone 0 0 5 44 Thill stone 0 0 0 4 Thill stone 0 0 0 4 Thill stone 0 0 0 4 Grey post girdles, with beds of strong grey metal 1 4 0 COAL, strong and coarse 0 0 0 2 Grey post, with beds of metal 1 0 6 Black stone 0 0 0 4 Black stone 0 0 0 4 Black stone 0 0 0 2 COAL, good 2 5 Band 0 0 4 COAL, bot- tom 1 3 Thill stone 0 0 5 44 Thill stone 0 0 4 Thill stone 0 0 5 44 Thill stone 0 0 5 44 Thill stone 0 0 5 44 Thill stone 0 0 5 5 Thill stone 0 0 5 4 Thill stone 0 0 0 4 Th	Thill stone - 0 1 8		
Grey post 0 3 0 Grey metal 1 1 4 Grey post 2 1 4 Grey post 2 1 4 Grey metal 0 1 4 Grey post gridles, with beds of strong grey metal 1 4 0 COAL, strong white post 3 2 2 COAL — Main Coal Seam 0 2 3 11 2 9 Mild grey post gridles and grey metal 1 4 0 COAL, strong and coarse 0 0 2 ½ Grey post, with very strong post gridles and grey metal 3 4 0 Mild grey post, with beds of metal 1 0 6 Black stone 0 0 4½ Wild grey post, with beds of metal 1 0 6 Black stone 0 0 4½ Wild grey post, with stone 0 1 3 Black stone 0 1 5 COAL, with stone 0 0 0 6 Grey metal 5 2 6 White post, with metal partings 4 2 7 Mild grey post 6 0 0 Strong white post 3 0 0 COAL — Low Main Seam 0 3 0 19 2 10			
Grey metal 1 1 4 Grey post 2 1 4 Grey post 2 1 4 Grey metal 0 1 4 Strong white post 2 5 4 Black metal partings 0 0 3 Strong white post 3 2 2 COAL — Main Coal Seam 0 2 3 Thill stone 0 0 1 3 Black stone 0 1 5 COAL, with stone 0 0 1 5 Grey post girdles, with beds of strong grey metal 1 4 0 COAL, strong and coarse 0 0 0 2 Grey post, with very strong post girdles and grey metal 3 4 0 Mild grey post, with beds of metal 1 0 6 Black stone 0 0 1 3 Black stone 0 1 5 COAL, with stone 0 0 6 Thill stone 0 0 9 Grey metal 5 2 6 White post, with metal partings 4 2 7 Mild grey post 6 0 0 Strong white post 3 0 0 COAL — Low Main Seam 0 3 0 The state of the strong grey metal 1 4 0 COAL, strong and coarse 0 0 2 Grey post, with very strong post girdles and grey metal 3 4 0 Mild grey post, with beds of strong grey metal 3 4 0 Mild grey post, with very strong post girdles and grey metal 1 0 6 Black stone 0 0 4½ Hutton Seam— COAL, top 1 6 Stone 0 2 COAL, good 2 5 Band 0 0½ COAL, bottom 1 3 Thill stone 0 3 0 Thill stone 0 3 0 Thill stone 0 3 0 Thill stone 0 0 4 2 Thill stone 0 0 5 44 Thill stone 0 0 0 9 Grey metal 1 4 0 COAL 1 0 0 0 2 Grey post, with very strong post girdles and grey metal 3 4 0 Mild grey post 0 0 0 2 Thill stone 0 1 3 Black stone 0 1 3 Black stone 0 0 0 4 Thill stone 0 0 1 5 Thill stone 0 0 5 4 Thill stone 0 0 1 5 Thill stone 0 0 1 5 Thill stone 0 0 5 4 Thill stone 0 0 5 4 Thill stone 0 0 0 5 Thill stone 0 0 1 5 Thill stone 0 0 0 2 Thill stone 0 0 1 5 Thill stone 0 0 0 2 Thill stone 0 0 1 5 Thill stone 0 0 0 2 Thill stone 0 0 0 0 0 Thill st			
Grey post 2 1 4 Grey metal 0 1 4 Black metal partings 0 0 3 Strong white post 3 2 2 COAL — Main Coal Seam 0 2 3 Thill stone 0 0 1 3 Black stone 0 1 3 Blue metal 0 1 5 COAL, with stone 0 0 1 5 COAL, with stone 0 0 0 9 Grey metal 0 0 0 0 0 Strong white post 6 0 0 0 Strong white post 6 0 0 0 Strong white post 3 0 0 COAL — Low Main Seam 0 3 0 Thill stone 0 3 0 Thill stone 0 3 0 Thill stone 0 3 0 Thill stone 0 3 0 Thill stone 0 3 0 Thill stone 0 0 4 1 2 Thill stone 0 0 5 4 1 5 Thill stone 0 0 5 4 1 5 Thill stone 0 3 0 0 Thill stone 0 3 0 0 Thill stone 0 0 0 9 Thill stone 0 0 1 3 Thill stone 0 0 0 2 4 Thill stone 0 0 0 4 Thill stone 0 0 0 4 Thill stone 0 0 5 4 4 Thill stone 0 0 0 24 Thill stone 0 0 0 4 Thill stone 0 0 0 24 Thill stone 0 0 0 4 Thill stone 0 0 0 24 Thill stone 0 0 0 4 Thill stone 0 0 0 24 Thill stone 0 0 0 24 Thill stone 0 0 0 4 Thill stone 0 0	Grey metal 1 1 4		
Strong white post	Grey post 2 1 4		
Strong white post 2 5 4 Black metal partings 0 0 3 Strong white post 3 2 2 COAL — Main Coal Seam 0 2 3 Thill stone 0 0 3 3 Strong green metal, with thin post girdles 1 0 6 Black stone 0 1 3 Black stone 0 1 3 Black stone 0 1 5 COAL, with stone 0 0 0 6 Thill stone 0 0 0 9 Grey metal 5 2 6 White post, with metal partings 4 2 7 White post, with metal partings 4 2 7 Wild grey post girdles and grey metal 3 4 0 Mild grey post, with beds of metal 1 0 6 Black stone 0 0 4½ Hutton Seam— Ft. In. COAL, top 1 6 Stone 0 2 COAL, good 2 5 Band 0 0½ COAL, bottom 1 3 COAL, bottom 1 3 COAL, bottom 1 3 COAL bottom 1 3 Thill stone 0 3 0 COAL — Low Main Seam 0 3 0 Third COAL is trong and coarse 0 0 2 Grey post, with evry strong post girdles and grey metal 3 4 0 Mild grey post, with beds of metal 1 0 6 Black stone 0 0 4½ Hutton Seam— Ft. In. COAL, top 1 6 Stone 0 2 COAL, good 2 5 Band 0 0½ COAL, bottom 1 3 COAL bottom 1 3 Third COAL is trong and coarse 0 0 2 Thill stone 0 0 2 3 Thill grey post, with beds of metal 1 0 6 Black stone 0 0 4½ Hutton Seam— Thin coarse 0 0 2 COAL, good 2 5 Band 0 0½ COAL bottom 1 3 Third COAL is trong and coarse 0 0 2 Thin coarse 0 0 2 COAL of the coarse 0 0 0 2 Thill grey post, with beds and grey metal 3 4 0 Mild grey post, with beds and grey metal 1 0 6 Black stone 0 0 0 4½ Hutton Seam— Ft. In. COAL, top 1 6 Stone 0 2 COAL, good 2 5 Band 0 0½ COAL of the coarse 0 0 0 2 Thin coarse 0 0 0 0 Thin coarse 0 0 0 0 Thin coar			11
Strong white post 3 2 2 2 3 1 2 9			
COAL — Main Coal Seam COAL — Main Coal Seam COAL — Main Coal Seam COAL — Main Seam COAL — Main Seam COAL — Low Main Seam COAL — Main Seam That I are post girdles and grey metal 3 4 0 Mild grey post, with beds of metal 1 0 6 Black stone 0 0 4½ Hutton Seam Ft. In. COAL, top 1 6 Stone 0 2 COAL, good 2 5 Band 0 0½ COAL, bot-tom 1 3 COAL, bot-tom 1 3 That I are post girdles and grey metal 3 4 0 Mild grey post, with beds of metal 1 0 6 Black stone 0 0 4½ Hutton Seam Ft. In. COAL, good 2 5 Band 0 0½ COAL, bot-tom 1 3 To 5 4½ That I are post girdles and grey metal 1 0 6 Black stone 0 0 4½ COAL, top 1 6 Stone 0 2 COAL, bot-tom 1 3 To 5 4½ To 5 4½			
Seam 0 2 3 11 2 9 and grey metal 3 4 0 Strong green metal, with thin post girdles 4 3 1 Blue metal 1 0 0 4 1 Black stone 0 0 4 1 Black stone 0 0 4 2 7 Et. In. COAL, top 1 6 Stone 0 0 2 COAL, good 2 5 Band 0 0 4 2 7 2 9 Thill stone 5 2 6 Stone 0 0 2 COAL, good 2 5 Band 0 0 4 2 7 Amild grey post 0 0 2 COAL, bottom 1 3 4 0 0 3 4 2 9 7 2 9 COAL	Strong "inter post "	1	Grey post, with very
Thill stone 0 0 3 3 1 Blue metal 0 1 3 Blue metal 0 1 3 Black stone 0 1 5 COAL, with stone 0 0 6 Thill stone 0 0 9 Grey metal 5 2 6 White post, with metal partings 4 2 7 Mild grey post 6 0 0 0 Strong white post 3 0 0 COAL — Low Main Seam 0 3 0 Thill stone 0 3 0 The state of the state 3 4 0 Mild grey post, with a state beds of metal 1 0 6 Black stone 0 0 4½ Hutton Seam— COAL, top 1 6 Stone 0 2 COAL, good 2 5 Band 0 0½ COAL, bottom 1 3 COAL, bottom 1 3 The state of the state 1 0 6 Black stone 0 0 4½ The state of the state 1 0 6 Black stone 0 0 4½ The state of the state 1 0 6 Black stone 1 0 6 Stone 0 2 COAL, top 1 6 Stone 0 0½ COAL, bottom 1 3 The state of the state 1 0 6 Stone 0 0 4½ Thill stone 0 0 4½ The state of the state 1 0 6 Black stone 0 0 4½ The state of the state 1 0 6 Black stone 1 0 6 Black stone 1 0 0 4½ The state of the state 1 0 6 Black stone 1 0 0 4½ The state of the state 1 0 6 Black stone 1 0 0 4½ The state of the state 1 0 6 Black stone 1 0 0 4½ The state of the state 1 0 0 0 4½ The state of the state			
Thill stone 0 0 3 Strong green metal, with thin post girdles 0 1 3 Blue metal 0 1 3 Black stone 0 1 5 COAL, with stone 0 0 6 Thill stone 5 2 6 White post, with metal partings 4 2 7 Mild grey post 6 0 0 0 Strong white post 3 0 0 COAL — Low Main Seam 0 3 0 Thill stone 0 3 0 Thill stone 0 3 0 Thill stone 0 0 4½ Hutton Seam— COAL, top 1 6 Stone 0 2 COAL, good 2 5 Band 0 0¼ COAL, bottom 1 3 COAL bottom 1 3 Thill stone 0 5 4¼ Think grey post, with in beds of metal 1 0 6 Black stone 1 0 0 4½ Hutton Seam— Think grey post, with in beds of metal 1 0 6 Black stone 1 0 0 4½ Hutton Seam— Think grey post, with in beds of metal 1 0 6 Black stone 1 0 0 4½ Think grey post, with in beds of metal 1 0 6 Black stone 1 0 0 4½ Think grey post, with in beds of metal 1 0 6 Black stone 1 0 0 4½ Think grey post, with in beds of metal 1 0 6 Black stone 1 0 0 4½ Think grey post, with in beds of metal 1 0 6 Black stone 1 0 0 4½ Think grey post, with in beds of metal 1 0 6 Black stone 1 0 0 4½ Think grey post, with in beds of metal 1 0 6 Black stone 1 0 0 4½ Think grey post, with in beds of metal 1 0 6 Black stone 1 0 0 4½ Think grey post 1 0 0 6 Black stone 1 0 0 4½ Think grey post 1 0 0 0 4½ Think grey post 1 0 0 0 4½ Think grey post 1 0 0 6 Black stone 1 0 0 44 Think grey post 1 0 0 6 Black stone 1 0 0 0 44 Think grey post 1 0 0 0 44 Think grey post 1 0 0 6 Black stone 1 0 0 0 44 Think grey post 1 0 0 0	Seam 0 2 3		
Strong green metal, with thin post girdles 4 3 1 Black stone 0 0 4½ Black stone 0 1 3 Black stone 0 0 4½ Hutton Seam— Ft. In. COAL, top 1 6 Stone 0 2 COAL, good 2 5 Band 0 0 ½ White post, with metal partings 4 2 7 Mild grey post 6 0 0 Strong white post 3 0 0 COAL — Low Main Seam 0 3 0 19 2 10	Thill stone 0 0 3		
with thin post girdles 4 3 1 Blue metal 0 1 3 Black stone 0 0 1 5 COAL, with stone 0 0 0 6 Thill stone 5 2 6 White post, with metal partings 4 2 7 Wild grey post 6 0 0 0 Strong white post 3 0 0 COAL — Low Main Seam 0 3 0 The last stone 5 2 6 Hutton Seam— Ft. In. COAL, top 1 6 Stone 0 2 COAL, good 2 5 Band 0 0 1 COAL bottom 1 3 ——————————————————————————————————	211121 1100110 111		
dles 4 3 1 Blue metal 0 1 5 Black stone 0 0 6 COAL, with stone 0 0 6 Stone 0 2 5 Band 0 0 1/4 COAL, good 2 5 8 Band 0 0 1/4 COAL, bot-tom 1 3 0 COAL — Low Main 0 3 0 0 5 1 0 5 4 2 9 COAL — Low Main 0 3 0			Black stone $0 0 4\frac{1}{2}$
Blue metal 0 1 3 Black stone 0 1 5 COAL, with stone 0 0 6 Thill stone 5 2 6 White post, with metal partings 4 2 7 Mild grey post 6 0 0 0 Strong white post 3 0 0 COAL — Low Main Seam 0 3 0 The last of the control of the contr	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		TT.11
COAL, with stone			
Thill stone 0 0 9 Grey metal 5 2 6 White post, with metal partings 4 2 7 Mild grey post 6 0 0 0 Strong white post 3 0 0 COAL — Low Main Seam 0 3 0 The last of the control of			
Thill stone 0 0 9 9 Grey metal 5 2 6 White post, with metal partings 4 2 7 Mild grey post 6 0 0 0 Strong white post 3 0 0 COAL — Low Main Seam 0 3 0 The last of the post of the post 1 2 9 The last of the post 1 2 9 The last of the post 1 2 9	COAL, with stone 0 0 6		
Thill stone 0 0 9 Grey metal 5 2 6 White post, with metal partings 4 2 7 Mild grey post 6 0 0 Strong white post 3 0 0 COAL — Low Main Seam 0 3 0 Thill stone 0 0 0 9 Band 0 0 0 4 COAL, bottom 1 3 ——————————————————————————————————			
COAL, bot- tom 1 3 COAL, bot- tom 1 3 The control of			
partings 4 2 7 Mild grey post 6 0 0 Strong white post 3 0 0 COAL — Low Main Seam 0 3 0 The last of the			
Mild grey post 6 0 0 Strong white post 3 0 0 COAL — Low Main Seam 0 3 0 19 2 10		,	tom 1 3
Strong white post 3 0 0 COAL — Low Main Seam 0 3 0 19 2 10	I		
COAL — Low Main Seam 0 3 0 ————————————————————————————————	Control of the contro		
Seam 0 3 0 19 2 10	corong white post in o o		
——————————————————————————————————————	0 0 0 0		
Carried forward 164 5 7 Total 180 0 6		19 2 10	
Carried forward 164 5 7 Total 180 0 6			Total 190 0
	Carried forward	164 5 7	10tal 180 0

No. 1,821.—SILKSWORTH.

TOWNSHIP OF SILKSWORTH, DURHAM.

Sheet 14 of Ordnance Map. Lat. , Long.

Account of Mr. Hopper's Draw Well at Silksworth.

Approximate surface level feet above sea (Ordnance datum).

						Fs.	Ft.	In. Fs.	Ft.	In.
Soil and clay						1	0	0		
Dry sand						2	0	0		
Clay, mixed with s						1	3	0		
Limestone, mixed						2				
Mild limestone						14		Õ		
Wild fillestone	***	***	•••	• • •	• • •	TÆ	U		_	_
						_		- ZI	U	U
										_
			Total					21	0	0
			Total	•••				21 	0	0

Note.—Got the feeder at 20 fathoms. Not through the limestone, but supply pretty regular.

No. 1,822.—SILKSWORTH.

TOWNSHIP OF SILKSWORTH, DURHAM.

Sheet 14 of Ordnance Map. Lat. 54° 52′ 48", Long. 1° 24′ 50".

An Account of Strata sunk through at Silksworth Colliery, No. 1 Shaft, near Sunderland. Commenced August 16th, 1869; finished Jan. 13th, 1873.

G 11				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil	0	1	0				Brought forward 0 2 6 52 3 6 Sand, bluish coloured
Yellow clay	0-	3	_				1
White marl	1	3	0				and hard, with little
Mild brown limestone	5	2	0				water 1 1 0
White marl	U	0	U				Light blue metal 0 1 2
Mild, light coloured							D 1 1 1 0 0 0
limestone, walling							
crib laid 3 fms. 2 ft.	بر	0	0				
9 in. into this	5	0	0				
Strong brown lime-	=	^	^				Blue metal, wedging
stone	5	0	0				crib laid 7 in. into
Strong brown sandy	63	^	0				004
limestone	2	0	U				
Strong light brown							Plack slate stone 0 0 0 5 1 3
limestone, with wa-							Black slaty stone 0 0 3
ter, walling crib laid							Thill stone 0 4 0
2 fms. 4 ft. 4 in. into	,	0	^				Post 0 4 6
this	5	2	0				Blue metal 0 2 0
Mild, light coloured							Black metal 0 0 3
limestone, with wa-	_	1	6				Thill stone, with iron- stone balls 1 0 9
ter	5	1	О				
Very mild and light							COAL 0 0 4
coloured limestone,							Grey metal 0 0 7
with water and	0	1	c				
partings	8	1	6				
Light brown lime-	1	1	0				Grey metal, 2 wedging cribs laid in this for
stone, with dark	0	2	0		_	*	
panels)	·		Ŭ				foundation of tub-
Light brown lime-	3	^	2				bing; 1st crib 11 in. into this; 2nd crib
stone, with gullets	Э	0	4				1 ft. 3 in. into this:
Strong brown lime-	^	0	10				all the water is in-
stone girdle	0	U	10				
Strong broken lime- stone	1	2	0				bound here, viz. 350 galls. per minute 0 1 8
	1	2	U				_ O _ A
Light brown lime-							0.01
stone, with partings,							
wedging crib laid							of the state of th
1 fm. 1 ft. $2\frac{1}{2}$ in. into this	0	1	0				Grey metal and dark grey post 1 4 0
Dark brown limestone,	2	1	U				8-J F
with blue panels,							1
wedging crib laid							701 / 1
1 fm. 4 ft. 43 in. into		,					D1 1
A1.:	5	3	6				Blue metal 0 4 4 Blue metal 0 1 5
this	U	0	U	52	3	6	71 1 1 1 1
Dark blue metal (fish			_	02	o	U	0.00
1 3\	0	2	6				COAL 0 0 2 7 3 5
bea)						_	7 0 0
Carried forward	0	2	6	52	3	6	Carried forward 69 5 9
our red for ward	U		U	04	0	U	Callion 20111an a 00 0 0

^{*} Approximate sea level (Ordnance datum).

D	Fs.	Ft.	In. F	s.			Fs. Ft. In. Fs. Ft. In.
Brought forward	^	^		9	5	9	Brought forward 0 2 6 89 2 3
Black stone	0	0	2				Very dark grey metal,
Thill	0		10				mixed with iron-
COAL	0	0	$1\frac{1}{2}$	_	_	- 1	stone balls and coal
		-		0	3	$1\frac{1}{2}$	pipes 1 2 2
Thill	0	1	2				Grey metal 0 4 6
Dark grey post	1	0	7				COAL 0 0 1
Metal partings	0	0	2				Dark grey metal, with
Strong bastard post	_		_				coal pipes at bottom 0 0 7
girdle	0	1	0				COAL 005
Blue metal	0	2	0				2 4 3
Strong ironstone gir-	_	_	7.1				Thill stone 0 1 8
dle	0	_	11				Grey metal 1 5 0
Black stone	0	0	8				Blue metal 0 3 2
Thill stone	0	1	3				Ironstone girdle 0 0 1
Grey metal and strong	_	0	0				Black stone 0 0 7
post girdle	0	2	8				COAL 0 0 3
Blue metal	0		9				2 4 9
Black stone	0	0	2				Thill stone 0 0 5
COAL	0	0	8				
			- :	2	5	$2\frac{1}{2}$	Mild grey post, walling crib laid at top of
Black stone	0	0	2			-	
FF11 011 /	0	2	6				~ .
	0	3	6				Strong grey metal 4 4 2 Dark red post, with
Dark blue post Dark blue metal, with	U	o	U				
	0	2	6				60 gallons of water per hour 0 3 10
Black stone	0	õ	9				
	0	1	6				Light red post, with whin balls 3 1 6
Dark grey metal	0	3	6				
Dark grey post Dark grey metal, with	U	o	U				Soft grey metal 1 5 8 Black stone, with iron-
coal pipes and balls	2	0	3				1 1 11
Dark grey post and	2	U	o				C
. 31	0	1	6				Black stone, with coal
0 11	0		8				pipes and ironstone 0 1 8
α	0		7				Grey metal 0 0 8
731	0		3				Post girdle, crib 6 in.
α	ő	õ	8				by 14 in 0 0 7
Blue metal (leader of	U	0	U				by 14 in 0 0 7 Grey metal 1 2 9
a trouble put in,							Blue metal and iron-
Dipper 5 feet)	0	4	8				stone 0 2 2
Black stone	ñ	2	4				Grey metal, with post
Blue metal	0	ĩ	2				girdles 3 2 5
Black stone		î					Blue metal, with iron-
Thill and grey metal	2		8				stone 0 3 5
Dark grey post, with			•				COAL (Aug. 5th,
grey metal, third							1871) 0 3 5
crib laid at top of							18/1) 0 0 0
this, 6 in. by 12 in.	5	2	0				
Blue metal, lost trouble	•	_					Thill stone 0 2 5 Grey metal 0 1 9
at top	1	0	6				Grey metal 0 1 9
COAL	Õ	0	7				Black stone, with coal 0 0 2
			_ 15	5	3	6	Thill stone 0 2 1
S-64 41:11 -4	^	0			,		Strong grey metal,
Soft thill stone	0	2	$\frac{2\frac{1}{3}}{2}$				crib 14 in. by 6 in. 5 0 9
COAL, splint	0	0	51		0	0	Dark grey post 2 2 0
			— 0	'	2	8	Grey metal, mixed
Black stone	0	0	8				with post 1 0 9
Thill stone	0	1 1	10				Grey post, no partings 6 3 0
							Grey metal 0 1 3
-				-		-	
Carried forward	0	2	6 89		2	3	Carried forward 16 2 2 113 1 8

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Fs. Ft. In. Fs. Ft. In. Brought forward 16 2 2 113 1 8	Brought forward 7 2 6 167 1 2
Black stone, with \(\frac{1}{2} \) in.	Thill stone 0 1 6
of coal 0 0 8	Mild post 0 3 9
Thil stone 0 0 8	Grey metal 0 1 6
Black stone, with coal 0 1 4	Mild post 0 3 9 Grey metal 0 1 6 Strong whin 0 4 6
Grey metal and thill 0 3 9	Strong white stone,
Black stone, with coal	with partings 1 2 4
(fire brick ring crib	Grey metal 0 1 4
	COAL 0 0 111
Thill stone 1 1 8	11 0 5
COAL (Sept. 29th,	
1871) $0 5 1\frac{1}{2}$	Grey metal, with post
$\frac{1071}{1943\frac{1}{2}}$	girdles 1 2 4
	Blue metal, with iron-
Dark grey metal, with	stone girdles 0 4 6
thill 0 1 5 Black stone 0 0 11	Black stone, with iron-
	stone 1 1 7 Dark thill 0 3 4 Dark grey post 1 4 3 Dark grey metal and
Dark grey metal post 0 4 9	Dark thill 0 3 4
Grey metal 1 3 10	Dark grey post 1 4 3
Dark grey metal and	The state of the s
loamy post 1 5 6	post girdles 1 3 4
loamy post 1 5 6 Grey metal 4 3 0	post girdles 1 3 4 Blue metal 0 2 6
Blue metal, crib 14 in.	COAL (March 16th,
by 6 in 6 1 8 .	1872) 0 4 2
by 6 in 6 1 8 Black stone 0 1 0 Ironstone girdle 0 0 2	8 2 0
Ironstone girdle 0 0 2	Black stone and cost o o c
Very dark metal, with	Black stone and coal 0 0 6
ironstone balls 0 2 2	Thill stone 0 3 4 Grey metal 0 1 11 Strong post, with
COAL (Nov. 10th,	Grey metal 0 1 11
1871) 0 1 6	Strong post, with
16 1 11	rough partings and
	a little water 2 4 6
Grey metal 0 3 6	Strong filtering post 4 3 6
Stronggrey postgirdle 0 0 8	Post, with coal pipes 1 1 6
Grey metal 0 1 9	Black stone 0 1 1 COAL (May 7th,
Black stone and coal 0 1 0	COAL (May 7th,
Thill 0 0 8	1872) 0 3 4
COAL 0 0 7	10 1 8
1 2 2	Dark thill 0 1 9
Thill 0 2 0	Dark thill 0 1 9 Grey metal 0 3 0
Thill 0 2 0 Filtering post 6 5 0 Coal pipe 0 0 0	Strong post girdle 0 1 2
Coal pipe $0 0 0 0\frac{1}{2}$	Blue metal 0 0 10
	COAL (May 11th, 1872) 0 1 2
	1 1 11
$\frac{}{}$ 8 3 $4\frac{1}{2}$	Strong grey metal 0 2 4
Dark thill 0 0 8	Strong grey post, with
Post girdle and grey	partings 2 2 0
metal 1 1 0	partings 2 2 0 Strong post, with a
Black stone 0 1 4	little water, no part-
Thill stone 0 3 2	ings 7 1 0
Grey metal and thill 5 5 2	Coarse, strong grey
COAL (January 9th,	post 1 2 0
1872) 0 0 5	post 1 2 0 Dark grey metal 0 3 10
7 5 9	COAL (July 23rd,
Strong thill and dark	1872) 0 0 4
	18/2) 0 0 1 11 5 6
	Dark thill 0 0 4
Grey metal 1 5 0 Black stone 2 2 1	
	Post girdle, with metal partings 1 2 0
$0 \ 0 \ \frac{0}{2}$	partings 1 2 0
Carried forward 7 2 6½ 167 1 2	Carried forward 1 2 4 210 0 8
Carried forward 7 2 $6\frac{1}{2}$ 167 1 2	
	Ţ

Brought forward	Fs.		In. 4	Fs. 210	Ft.	In. 8	Brought forward Brought forward 242 2 10½
Blue metal, with iron- stone balls	2	1	4				Black stone, mixed with coal 0 2 0
Black metal		0					Thill stone 0 1 0
Strong thill stone		1					COAL 0 0 7
Whin girdle	0	0	9				0 3 7
Grey metal, with post girdles	2	4	9				Thill stone 0 2 7
Strong grey metal	1	î	0				Grey metal and post girdles 0 1 8
COAL (August 22nd,		_					Dark grev metal, with
1872)	()	1	3	8	1	11	iron balls 0 2 0
Q1 1.3		_		0	1	11	COAL $0.000\frac{1}{2}$
Strong grey metal Soft blue metal, with	0	5	2				1 0 3½
	2	1	0				Dark thill 0 0 8 Grey metal, with post 0 3 4
ironstone ball Mild grey post Strong bastard post	0	1	2				Grey metal, with post 0 3 4 Strong grey metal and
	0	5	0				post girdles 2 3 0
Strong grey metal and dark post	1	1	0				Soft dark grey metal,
Strong grey metal			6				with ironstone $2 \ 3 \ 5\frac{1}{2}$
Blue metal Black stone	0	3	8				COAL (Nov. 28th, 1872) 0 1 8
Black stone	0	0	3				$\frac{1}{2}$ 6 0 $1\frac{1}{2}$
COAL (Sept. Ft. In. 14th, 1872) 0 6							Thill stone 0 2 9
Black stone 0 1							Black stone and coal 0 0 4
COAL 2 0		_	_				Dark thill, with iron balls 0 4 0
	0	2	7	8	5	4	Post girdle and metal
Thill stone, mixed with				0	Ð	48	partings 1 2 4
coal	0	5	$0\frac{1}{2}$				Grey metal 0 2 7
Black stone	0	-	6				COAL 0 6
COAL	0	1	3	1	0	01	Soft stone band 0 3
Black stone, mixed				1	U	25	COAL 0 1
with coal	0	1	9				Soft stone band 0 2 COAL 0 8
Dark thill stone	0	1	4				0 1 8
Strong grey metal, mixed with a little							3 1 8
post	2	5	6				Thill stone 0 1 9
Black metal and iron-			_				Mild post, with metal partings 2 3 8
Stone balls	0	2	1				$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Grey metal, with iron- stone balls	1	4	6				$\frac{}{}$ 3 0 $3\frac{1}{2}$
Dark metal	2	3	4				Strong thill 0 3 8
Black stone and brass	0	2	0				Post girdle and metal
COAL (Oct. 30th, 1872)	0	1	4				partings 1 2 6 Black stone 0 2 0
1872)				8	3	10	Strong grey metal,
Strong grey metal	2	1	6				mixed with post 1 4 10
Strong grey metal,	_						Soft blue metal 1 1 2
with post girdles	2	4	5				Black stone 0 3 4 COAL 0 0 0 0½
Blue metal Black stone	0	0	9				5 5 6
COAL (Nov. Ft. In.	U	U	U				Dark grey post, with
							metal partings 3 3 8
10th, 1872) 0 9							
10th, 1872) 0 9 Stone band 0 3							Strong white post 0 5 0
10th, 1872) 0 9	0	1	3				Strong white post 0 5 0 Dark grey leafy post 1 4 7
10th, 1872) 0 9 Stone band 0 3	0	1	3	5	2	4	Strong white post 0 5 0
10th, 1872) 0 9 Stone band 0 3	_				2 2 10	4	Strong white post 0 5 0 Dark grey leafy post 1 4 7

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 6 2 8 262 2 $4\frac{1}{2}$	Brought forward 5 3 6 274 3 2½
Maudlin Seam—	Black stone 0 0 7
Ft. In.	Brass Thill Seam-
COAL, good 3 93	Ft. In.
Splint band 0 2	COAL 1 0
COAL, good 1 94	Band $0 \ 0\frac{1}{3}$
— 0 5 9	COAL 0 81
7 2 5	Band 0 2
Stone band $0 \ 0 \ 1\frac{1}{2}$	COAL 1 2
Low Main Seam -	0 3 1
	6 1 2
COAL Ft. In. 0 8	Strong dark thill iron-
Soft stone band 0 01	stone 1 1 0
	Very strong grey post 0 2 6
Soft stone band 0 7	Dark grey metal, with
Soft stone band 0 7	
COAL $1 \ 9\frac{1}{2}$	
$ 0 3 3\frac{1}{2}$	COAL (March 19th,
0 3 5	1873) 0 0 9
Thill stone and grey	2 3 0
metal 0 3 2	Dark thill grey metal 0 2 0
COAL $0 \ 0 \ 8\frac{1}{2}$	Strong dark grey metal 4 5 0
Thill stone 0 0 10	Black stone 0 2 6
Grey metal, with post	Blue metal 0 3 3
girdle 3 0 0	COAL (April 4th,
Blue metal, with iron-	1873) — Hutton
stone girdle 0 0 10	Seam 0 4 4
COAL (Feb. 22nd,	6 5 1
1873) $0 1 5\frac{1}{2}$	Thill stone, with iron-
4 1 0	stone 0 3 0
Thill stone, with iron-	Strong grey metal 0 5 0
stone 0 3 8	Grey metal, mixed
Dark grey post, with	with post 2 1 0
metal partings 4 1 9	3 3 0
Soft dark grey metal,	Strata 1 0 0
with ironstone 0 4 1	
	Total 294 3 5½
Carried forward 5 3 6 274 3 23	Total 294 3 32
The state of the s	

No. 1,823.—SIMONSIDE.

TOWNSHIP OF WESTOE, DURHAM.

Sheet 3 of Ordnance Map. Lat.

, Long.

Boring Account at Simonside.

Clay 1 5 0 Marly limestone 1 0 0	Brought forward 2 5 0 Strong limestone, with water 20 4 6 23 3 6
Carried forward 2 5 0	Carried forward 23. 3 6

No. 1,823.—SIMONSIDE.—CONTINUED.

D 14.0 1	Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In
Brought forward	23 3 6	Brought forward 39 2
Blue metal stone and		Dark grey metal,
girdles	1 5 0	scared with coal 0 1 4
Blue metal	2 1 9	Ft. In.
Red metal	0 1 6	COAL, strong 3 0
Whin mixture	0 0 11	COAL, rather
Red metal	3 4 11	coarse 0 9
Black metal	0 0 11	COAL, will
Grey metal	0 2 11	not cinder 0 11
Red metal	0 1 10	0 4 8
Grey metal stone, with		1 0
post girdles	1 4 4	Dark grey metal 1 0 4
Brown metal	0 0 9	White post 0 5 2
Grey post		Grey metal stone 1 4 0
Blue metal	$\begin{array}{cccc}0&3&1\\0&2&3\end{array}$	Black metal 0 0 9
Red post	0 1 0	Grey metal 0 1 6
α * .	0 2 9	Grev metal stone,
TO1 / 1	0 2 0	mixed with coal 0 0 8
D. 3 .4.1	0 0 11	0 0 11
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
Grey metal stone		
Ft. In.		Grey metal stone 2 2 11
COAL 0 3		COAL 0 1 8
COAL, rather		9 2
foul 1 8		Grey metal stone 1 2 6
	0 1 11	COAL, slaty 0 1 3
	15 4 11	1 3
Carried fo	orward 39 2 5	Total 51 2 1
Carried 10	irwaru 55 4 5	10001 01 2 1

No. 1,824.—SLEEKBURN.

TOWNSHIP OF EAST SLEEKBURN, NORTHUMBERLAND.

Sheet 73 of Ordnance Map. Lat.

, Long.

Bored at East Sleekburn, near the South-east Corner of Mr. A. Mowbrey's Estate and adjoining the River Blyth, by Thos. Rawling. April 18th, 1798.

Soil Gravel, with water Grey metal, with hard girdles	0	3	0	Fs.	Ft.	In.	Brought forward Grey post Grey metal stone COAL	1 1 0	3 4 3	0			
Black metal COAL, foul	0	0	6	3	1	3	Soft dark grey metal with scares of coal				3	4	10
Grey metal, with hard girdles Grey metal stone	0						Grey post, with metal partings Grey metal stone	1	0	0			
Carried forward	1	3	3	3	1	3	Carried forward	1	5	4	7	0	1

No. 1,824.—SLEEKBURN.—Continued.

72 210 2		Ft.		Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward		1	4 2	1	0	1	Brought forward 12 0 4 23 1 0
Whin Grey metal stone	-	3	-				COAL 1 4
Black metal		4					Black grey metal 0 1
COAL, foul	0						COAL, brassy 0 2
,				6	3	6	0 1 7
Grey metal stone, with							12 1 11
whin or ironstone							Grey metal 0 0 3
girdles	3	0	0				Black metal, scared
Black grey metal,	^	^	-				with coal 0 0 3
mixed with coal	0	0	7				Grey and black metal 0 4 0 Grey metal stone, with
Dark grey metal	0	1	o				hard girdles 0 3 0
COAL 0 9							White and grey post 1 0 0
Grey metal							Grey metal stone, with
stone, called							post girdles 1 1 0
band 0 3							Black metal 0 2 0
COAL, with							Soft grey metal, with
small bands and water 1 11							hard girdles 1 3 0 Grey metal stone, with
and water 1 11 COAL, foul 0 5							hard girdles 0 2 10
OOAL, 10al 0	^	9	4				Blue grey metal 0 1 0
	0	3	4	_	J	_	White post 8 3 0
				3	5	2	COAL - Yard Coal 0 2 6
Grey metal	0	5	6				14 4 10
Black metal, mixed			0				Grey metal, with
with coal	0	0	8				scares of coal 0 0 3
Grey metal	0	3	9				Grey metal stone, with
COAL, foul				1	3	11	hard girdles near the top 4 2 0
C				_			Grey post, with coal
Grey metal, with scares of coal	1	0	0				pipes 0 3 0
Soft black and grey	•	v	U				Grey metal stone, with
metal, mixed with							post girdles 6 1 0
coal	1	0	0				Grey metal 0 1 0
Grey metal stone, with							Ft. In.
coal pipes	1	0	0				brassy bands 1 8
COAL 0 9							Grey metal 0 9
Grey metal,							COAL 1 2
with scares							0 3 7
of coal 0 11							11 4 10
COAL, foul 1 2							Black and grey metal 0 2 0
<u></u>	0	2	10	_	-	10	Grey and white post,
Dlask and 1	-			3	2	10	with water 1 3 0
Black grey metal, mixed with coal	0	2	1				Black grey metal 0 0 6 COAL 0 2 3
COAL, hard splinty	0	1	5				COAL 0 2 3
z z z z z z z z z z z z z z z z z z z	_			0	3	6	
Soft black and grey							Grey metal, with girdles or lumps 1 1 6
metal	0	1	6				Strong girdly stone 0 2 0
Grey metal	1	ō	Ö				
Grey metal stone	8	4	0				Grey metal stone 3 3 0 White post 3 0 0
Grey metal stone, with		_					Grey metal, with whin
post girdles		5	0				girdles 1 1 8
Grey post Whin			0				Black stone, with scares of coal 0 1 10
Grey metal stone	0	0	6				Grey metal 0 1 10
200 2100010 111							oreginetar
Carried forward	12	0	4	23	1	0	Carried forward 9 5 2 64 2 4

No. 1,824.—SLEEKBURN.—Continued.

Brought forward Grey and white post	9	5					Brought forward Fs. Ft. In. Fs. Ft. In. 80 1 2 Grey metal stone, with
Grey metal stone, with post girdles							post girdles 1 5 0 Blue grey metal 0 4 4
COAL, with scares of black metal Black metal, scared	0	0	6				COAL 1 10
with coal	0	1		11	2	10	danty 0 1 COAL 2 8
Dark grey metal Whin mixture	0	5 2	6				$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Grey metal stone, with post girdles	2	5	2				Black metal, with scares of coal 0 1 6 In grey metal stone 0 1 6
Dun whin Black metal, with scares of coal							——— 0 3 0
	_			4	2	0	
Carried for	var	d		80	1	2	Total <u>84 0 1</u>

No. 1,825.—SLEEKBURN.

TOWNSHIP OF WEST SLEEKBURN, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. , Long.

Bored at West Sleekburn in the Pit Field.

	Fs.	Ft.	In.	Fs.	Ft. I	Īn.		Fs.	Trt.	In. F	s Et	In.
Soil				- 20 .			Brought forward					
Brown clay							Black metal, with				_	_
Leafy clay	1	2	0				scares of coal		1	0		
Stony clay	ī	5	0				Grey scamy post					
Sand	0	1	0				Grey and blue metal	_		Ŭ		
Clay	1	4	Õ				stone, with girdles	3	2	6		
Grey metal stone and	_	-	-				Grey post and metal	9	_			
post girdles, with							partings	1	4	6		
water	1	0	0				White post, thready		_	v		
COAL							partings, and water		2	9		
	Ü	-	Ü	_	_	_	Black stone	1	ĩ	3		
				7	0	8	COAL, foul	ñ	î	0		
Black slaty metal and							33AL, 10al	U	1			
foul coal	0	0	6				6			- 16	5	4
Grey post, with metal	•	0	U				Grey metal	1	Ω	0		
partings and water	2	5	6				White and grey post					
Grey metal, with gir-		•	U				Whin	<u>,</u>	0	0		
dles	2	1	A.				Grey post, with water					
uics	U		T				Grey post, with water	1	o	0		
						_						
Carried forward	6	1	4	7	0	8	Carried forward	3	4	0 24	0	0
				•					_			

No. 1,825.—SLEEKBURN.—CONTINUED.

				Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	3	4	0 24	0 0	Brought forward 14 3 6 24 0 0
Grey scamy post, with					Blue grey metal 0 2 0
partings	2	1	0		Blue and black scamy
White post, mixed					metal 0 1 0
with whin	0	1	2		0 1 0
Grey scamy post	0	3	8		High Main Seam-
with whin Grey scamy post Grey metal stone	1	0	2		Ft. In.
White post, mixed					COAL 1 0
with whin	0	2	6		Black slate,
White and grey					mixed with
thready post, with					
partings and water	1	0	0		coal 0 2 COAL 0 9
Blue grey metal stone,					Black slate,
with post girdles		2	6		mixed with
White and grey post,					coal, or foul
with water	1	1	0		coal with
Grey metal stone	0	3	6		slaty bands 1 5
White post, mixed					COAL 1 10
with whin	0	1	0		
Blue grey metal stone,					0 5 2
with post girdles					15 5 8
and water	2	1	0		
					In grey metal 0 3 4
		•			
Carried forward	14	3	6 24	0 0	Total 40 3 0

No. 1,826.—SLEEKBURN.

TOWNSHIP OF WEST SLEEKBURN, NORTHUMBERLAND.

Sheet 73 of Ordnance Map. Lat. 55° 9' 24", Long. 1° 33' 35".

Strata sunk in the West Sleekburn Pit.

Fa E	t. In. Fs. Ft. In.	1	Tra	TF4	In.	Fα	174	T.,
	l 0	Brought forward		5	0	T. D.	L v.	111.
	0	Light metal	0	1	6			
	4 0	COAL		4	3			
	0				-	24	4.	9
	3 0	Fire clay	0	3			-	
Clay, sand and oravel /	*	Grey post	4	0				
CI 1	0 0	Soft metal, with iron-	-	•				
Leafy clay, with loam	, 0	stone	4	2	6			
	1 0	Grey post		1				
	4 0	Soft metal	0	2	0			
Sand 1		COAL	0	1	2			
Loam 1						11	4	6
111 111 11	2 0	Soft metal	2	3	0			
Sand, gravel, loam,		Post girdle	0		6			
	4 0							
Carried forward 23	 5 0	Carried forward	2	4	6	36	3	3

^{*} Approximate sea level (Ordnance datum).

No. 1,826.—SLEEKBURN.—Continued.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In
Brought forward	2	4		36	3		Brought forward 2 4 8 73 1 3
0 0 1 1	0	1	5		_	_	
Post girdle	0	1	0				COAL 0 0 4
Blue metal	2	4	6				3 2 0
OOAL	0		10				
COAL	U	U		0	_		Black stone 0 2 8
			_	6	0	3	Post, with metal part-
Charachal	- 1	0	8				
Grey metal	1						ings 3 1 5
Post, with water	0	2	6				White post 0 4 7
Metal partings	0	0	3				Scamy post, or grey
			_				
Post, with metal							scared post 2 2 1
partings	1	4	6				COAL—Yard Seam 0 3 0
Dark metal	0	3	0			*	 7 1 9
	0	4	1				1 1 0
Grey post	U	4	T				Grey metal 1 0 6
Black metal, with							White post, with whin
mussel bed on top	3	0	0				
OOAL	0	1	0				and water 7 4 7
COAL	U			_			COAL 0 0 8
	-			7	4	0	
(D)-:11 -4	0	0	-				8 5 9
Thill stone	0	0	5				Grey metal, with iron-
Fire clay, with iron-							
stone balls	1	1	0				stone girdles 1 3 0
Bootto Datts	_	1	U				Blue metal 2 5 0
TT: 7 7/ 0							COAL 0 0 4
High Main Seam-							
Ft. In.							4 2 4
COAL 1 0							Thill stone 0 3 0
Band 0 6							0 - 13
0041 7 0							Grey metal 0 5 3
COAL 1 8							COAL 0 1 9
Band 0 8							1 4 0
Black stone,							1 4 0
							Grey metal 0 2 0
scared with							
coal 1 7							Grey post, with metal
COAL 1 0							partings 0 5 3
OOAL 1 0	1	0					White post 0 2 6
-	1	0	5				35 4 3 4 4
				2	1	10	Metal partings 0 0 9
G ()	0		0				White post 0 1 0
Grey metal	9	4	0				Grey metal 0 2 0
							D1 1 4
Grey Seam- Ft. In.							
0041 1 1							COAL 0 2 7
TO 1 0 1							2 5 4
Band 0 4							2 0 1
COAL 2 6							Fire clay 0 4 0
	0	4	2				Grey metal, with iron-
	0	200	_	10	0	0	1 1 11
				10	2	2	stone balls 1 0 0
Dlug stone on motel	3	0	9				Blue whin 0 1 2
Blue stone or metal	9	0	9				
Ft. In.							
COAL 2 1							Grey metal 0 3 5
T) 1 0 4							Blue metal 1 3 0
0041 111							Black metal 0 3 0
COAL 1 11							0 0 0
		4	4				Ft. In
directly trackets	0	4				1	COAL
	0	4		2	5		
	0	4	_	3	5	1	
Thill stone	_		0	3	5	1	Grey metal 2 4
Thill stone	0	2	0	3	5	1	Grey metal 2 4
Grey metal	0 2	2 1	0	3	5	1	Grey metal 2 4 COAL 1 2
	0	2		3	5	1	Grey metal 2 4 COAL 1 2 0 5 6
Grey metal White post	0 2 3	2 1 3	0 8	3	5	1	Grey metal 2 4 COAL 1 2
Grey metal	0 2	2 1	0 8 0				Grey metal 2 4 COAL 1 2
Grey metal White post	0 2 3	2 1 3	0 8	6	5	8	Grey metal 2 4 COAL 1 2
Grey metal White post COAL	0 2 3 0	2 1 3 2	0 8 0				Grey metal 2 4 COAL 1 2
Grey metal White post COAL Black stone	0 2 3 0	2 1 3 2	0 8 0				Grey metal 2 4 COAL 1 2
Grey metal White post COAL	0 2 3 0 1	2 1 3 2 0 2	0 8 0 - 0 0				Grey metal 2 4 COAL 1 2
Grey metal White post COAL Black stone Grey metal	0 2 3 0	2 1 3 2 0 2	0 8 0				Grey metal 2 4 COAL 1 2
Grey metal White post	0 2 3 0 1 0 0	2 1 3 2 0 2 1	0 8 0 - 0 0 0				Grey metal 2 4 COAL 1 2
Grey metal White post	0 2 3 0 1 0 0 1	2 1 3 2 0 2 1 0	0 8 0 0 0 0 0				Grey metal 2 4 COAL 1 2
Grey metal White post	0 2 3 0 1 0 0	2 1 3 2 0 2 1	0 8 0 - 0 0 0				Grey metal 2 4 COAL 1 2
Grey metal White post	0 2 3 0 1 0 0 1	2 1 3 2 0 2 1 0	0 8 0 0 0 0 0				Grey metal 2 4 COAL 1 2
Grey metal	0 2 3 0 1 0 0 1 0	2 1 3 2 0 2 1 0 1	0 8 0 0 0 0 0 0 8	6	2	8	Grey metal 2 4 COAL 1 2
Grey metal White post	0 2 3 0 1 0 0 1	2 1 3 2 0 2 1 0	0 8 0 0 0 0 0	6			Grey metal 2 4 COAL 1 2

No. 1,826.—SLEEKBURN.—CONTINUED.

	t forward	Fs.	Ft.	In. 1		Ft. :	In. 4	Brought forward 2 3 0 113 2 2
Strong gre	ey metal,							
with post	girdles	1	3	8				Low Main Seam
Whin			0	10				Ft. In.
Grey post		0	1	0				COAL 3 8
Whin		0	0	10				Band $0 \ 1\frac{1}{2}$
Grey metal		0	3	2				COAL 1 6
Mussel bed		0	1	0				$ 0 5 3\frac{1}{2}$
Blue metal		0	2	0				3 2 31
COAL		0	0	4				Thill stone 0 1 0
					3	0	10	Grey metal and strong
Grey metal,	with post							post girdles 0 5 0
girdles		2	0	0				——————————————————————————————————————
Blue metal				4				100
Dark metal		0	1	8				
							_	
Carried	forward	2	3	0	113	2	2	Total 117 4 51
Juilled	202	_	9	3		_	_	11/ 1 02

No. 1,827.—SLEETBURN.

TOWNSHIP OF BRANDON AND BYSHOTTLES, DURHAM.

Sheet 26 of Ordnance Map. Lat. , Long.

Sinking and Boring of Sleetburn or New Brancepeth Colliery, near to Ushaw College.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Soil 0 2 6	Brought forward 16 0 11 17 2 2
Gravel and sand 4 5 0	Ft. In.
Strong blue clay 7 2 0	COAL 1 9
	COAL, full of
Grey post 2 4 0	thin stone
Strong white post 2 0 4	bands 0 5
COAL 0 0 4	0 2 2
4 4 8	16 3 1
	Seggar clay 0 0 9
Seggar clay 0 3 6	(frey shale 0 1 11
Grey shale, with strong	Blue shale, with post
post girdles 1 2 2	girdles 1 0 8
Blue shale, with iron-	COAL and black
stone bands 3 1 0	stone 0 0 2
Blue shale 1 5 0 Seggar clay 0 2 0	1 3 6
	Grey shale 0 2 6
Strong white post,	Brown whin, with
with water 3 3 4	white spar 0 1 0
Strong grey post, with	Strong shale, with
water 2 3 0	brown whin 1 1 4
Strong grey post, with	COAL 0 0 6
water 1 3 3	1 5 4
Grey shale, with dark	Seggar clay 0 3 0
post girdles 1 1 5	Grey shale, with white
Black stone 0 0 3	post girdles 1 3 0
Carried forward 16 0 11 17 2 2	Carried forward 2 0 0 37 2 1
	•

No. 1,827.—SLEETBURN.—CONTINUED.

Brought forward				Fs.			Fs. Ft. In. Fs. Ft. In. Brought forward 3 4 10 42 1 5
Blue shale post			6	01		1	Grey shale 0 2 11
coal, with thin stone bands	0	2	0				Seam 0 1 10
			-	2	4	6	4 3 7
Seggar clay Strong grey post, with	0	1	0				Seggar clay 0 1 10 White post 2 4 8
ironstone balls	_	4					Seam 0 3 1
				2	0	10	3 3 7
Dark shale Grey post	0	3	8				Total sunk 50 2 7
Strong shale Grey shale, with white	0	3	3				Bored below the Busty
whin	0						Seam to the Brock-
Blue shale	0	2	0		-		well 17 0 0
Carried forward	3	4	10	42	1	5	Total 67 2 7

No. 1,828.—SOUTH HETTON.

TOWNSHIP OF HASWELL, DURHAM.

Sheet 21 of Ordnance Map. Lat. 54° 48' 2'', Long. 1° 24' 25''.

An Account of Strata sunk through in the Engine Pit, South Hetton Colliery. Begun March 1st, 1831.

					•
Soil	0	Ft.	In.	Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In Brought forward 46 3 0
Brown gravelly clay		1	U		Brown limestone 0 4 4
mixed with sand					Blue limestone 0 4 4 Blue limestone 0 0 6
and water		1	0		
Blue gravelly clay		T	U		Brown sandy lime- stone 2 1 2
mixed with sand					
		1	0		Brown limestone, with
and water Sand and water			0		metal clay partings 5 0 0
					Dlus motel stone 54 3 (
Blue gravelly clay Limestone marl			0		Blue metal stone 0 2 0
		9	0		Strong grey post 0 4 0 Blue metal stone 0 3 0
Yellow limestone in	-				
confused state, mixe					Sand, with water,
with spar (got wate					1,300 gallons per
29½ fathoms from					minute 5 0 0
the surface, which					6 3 0
increased from 2					Grey metal stone 0 3 0
to 300 gallons pe			_		Grey post 0 3 0
minute)		3	0		Grey and red metal
Yellow limestone is			_		stone 3 0 0
various beds	. 3	3	U		COAL—3/4 Seam 0 2 10
					4 2 10
Classical Co	10	-	_		
Carried forward	46	3	0		Carried forward 65 2 10

No. 1,828.—SOUTH HETTON.—CONTINUED.

	Fs. Ft.	In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	0 0	65 2 10	Brought forward 3 4 0 140 3 111
Thill stone	0 3	0	COAL, mixed with
Grey metal stone, with			black stone—Maud-
post girdles (laid a	1 0	0	lin Seam— 0 2 3
wedging crib)	$\frac{1}{2}$	6	4 0 3
Grey and red post } -	2 2	8	Thill stone 2 3 9
	5 5	11	Strong blue stone 2 2 0
COAL, mixed with	. 1	2	Whin girdles 0 0 6 Grey post 1 0 0
black stone	0 1	2	
		— 10 4 3	
Grey thill stone	0 3	10	
Grey post, mixed with			Strong grey metal 4 5 0 Strong grey post 0 5 0
whin	13 3	0	COAL 0 1 3
Blue metal stone	2 3	0	14 4 7
COAL	0 0	$4\frac{1}{2}$	Black metal and iron-
		$-16 4 2\frac{1}{2}$	stone girdles 1 1 3
Grey metal stone,			Low Main Seam -
mixed with post	1 4	0	COAL 2 6
Strong grey post,			Band 1 0
mixed with whin			COAL 1 10
and water		0	0 5 4
Blue metal stone	2 3	0	2 0 7
Five-Quarter Seam-			Black metal stone 0 3 8
COAL, with Ft. In.			Grey metal 0 5 6
foulness 2 0			Post girdles, with whin 0 1 6
Band 0 4			Grey scamy post 1 4 0
COAL 0 8			Grey metal stone 0 4 3
	0 3	0	Grey post 0 1 6
		— 14 4 0	Soft grey metal 0 2 9
Bottom stone thill	0 3	0	COAL, splinty 0 3 6
Grey metal stone, with	0 3		5 2 8
	2 1	0	Black metal 0 1 3
Grey metal, with post	$\tilde{2}$ $\tilde{0}$.0	Grey post, with metal
Grey post, with whin	5 0	0	partings 0 5 0
Grey post, with metal	0 0	O .	Blue stone 0 3 3
partings	12 0	0	COAL 0 0 4
Grey post, with gullets	6 3	8	1 3 10
	0	O .	Grey metal 0 2 6
Main Coal Seam-			Grey post, with metal
COAL mad ft. In.			partings 1 2 6
COAL, good 4 6 COAL 2 0			Blue metal 0 1 9 COAL 0 1 0
COAL 2 0	1 0	6	
	1 0	$\frac{6}{-29}$ 2 2	
(T) *11 4			Grey post, with hard girdles 1 2 4
Thill stone	0 3	0	71 1 1 1 0 0
Post girdles	0 4	0	
Grey metal	2 0	0	Grey post 0 3 8 Grey metal 1 3 8
Black stone	0 1	2	Black stone 0 2 0
COAL	0 0	3	Hutton Seam— Ft. In.
		- 3 2 5	COAL, good 4 $7\frac{1}{2}$
Grey metal stone	0 2	0	
COAL	0 0	1	COAL, bot-
COAL	-	$\frac{1}{0}$ 0 2 1	$tom \dots 1 \frac{4\frac{1}{2}}{2}$
Post girdles	1 4	0 2 1	$\frac{1}{}$ 1 0 $4\frac{1}{2}$
Grey metal	2 0	Ö	6 0 9
Carried forward	3 4	$0\ 140\ 3\ 11\frac{1}{2}$	Total 177 0 5
		2	

^{*} Approximate sea level (Ordnance datum).

No. 1,829.—SOUTH HETTON.

TOWNSHIP OF HASWELL, DURHAM.

Sheet 21 of Ordnance Map. Lat.

, Long.

An Account of Strata bored through below the Hutton Seam at South Hetton Colliery. Commenced August 15th, 1865.

											_
Depth to the Hutton	Fs.	Ft.	In. Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In. Fs. 213		
Q			180	٥	Λ	Grey metal, mixed			210	U	-
			100	U	U		1	9	01		
Freestone pillar at						with brown post	1		$8\frac{1}{2}$		
Hutton Seam, hang-	^	_	0			COAL	0	0	4		
ing-on		5				Grey metal	0	1	7		
Blue metal stone	_	0				Blue metal	0	4	4		
Black stone	0		8			Grey post, rather					
Black metal stone	0	1	10			strong	0	1	9		
White stone, mixed						Black metal	0	5	4		
with blue metal	0	5	0			Grey shivery post	2	0	0		
Grey metal, with post						Very strong grey post,					
girdles	1	2	5			mixed with whin	2	0	10		
White post, mixed						Grey metal	0	0	4		
with blue metal	2	1	6			Mild white post	0	2	4		
Grey whin and blue	_	_	•			Black stone, mixed	Ŭ		-		
metal, mixed with							0	1	7		
coal pipes	2	0	$2\frac{1}{2}$			Grey metal stone	_	1	1		
The	4	U	42				0		4		
Blue metal, mixed	0	-1	01			White post					
with post	0	1	$0\frac{1}{2}$			Black slaty stone	0	3	0		
Shivery post, mixed	0	0	0			Whin, mixed with	_	_			
with coal pipes	0	3	8			white spar	0	0	6		
Black metal, with iron-	_	_				Blue metal stone	0	1	4		
stone girdles	1	1	$4\frac{1}{2}$			COAL, coarse	0	1	0		
Blue metal, mixed									9	5	$4\frac{1}{2}$
with iron girdles	1	0	3			Grey metal stone	0	1	8		
Blue metal, mixed						Ironstone	0		2		
with black slate	1	1	0			Blue metal	0		10		
White post, mixed						Grey post, mixed with	•	_	10		
with blue metal	2	0	3			11 1	0	4	$6\frac{1}{5}$		
White post	7	4	0			Black stone, mixed	U	-10	02		
Blue metal, mixed							0	1	0		
with black stone	0	1	5	9	•	with coal	0		0		
COAL (supposed		_				Blue metal		1	8		
Harvey Seam)	0	2	2			Mild shivery post	2	1	6		
				. 2	$0\frac{1}{3}$	Strong white post,		_			
Blue stone, with clay	0	2	3	. 0	02	with whin girdles	8	1	3		
Grey post, mixed with	U	4	o			Black stone, mixed					
metal girdles	=	9	0.1			with coal	0	1	$8\frac{1}{2}$		
	5	3	$0\frac{1}{2}$			Shivery white post	0	2	11		
Black stone, mixed	0	-	,			Blue metal, mixed with					
with coal pipes	0	1	4			iron girdles	2	1	10		
Grey metal, mixed	_		_			Brown post, mixed					
with iron girdles	1	5	6			with grey metal	1	3	0		
Busty Seam- Ft. In						Blue metal, mixed					
COAL 0 11	2					with brown slaty					
Stone band 0 2						post staty	2	4	101		
COAL 2 3	2					COAL, like cannel	0	1	$\frac{10_{7}}{4}$		
	0	3	5			JOHE, IIRe Califfel	-	1		5	21
			8	3	$6\frac{1}{2}$				— 19	J	02
Carried for	war	d	213	0	7	Carried for	u a n	Ь	242	5	3
					•	Carried 101	" (4)		414	0	0

No. 1,829.—SOUTH HETTON.—CONTINUED.

				-					
Brought forward	Fs.	Ft. In. F	s. Ft. In. 2 5 3	Brought forward	Fs.	Ft.	In. Fs 2\frac{3}{4} 2	. Ft.	In.
Grey shivery post, with			_	Strong grey post, with		•	-4 -	12 0	U
blue metal	0	2 7		metal partings	0	3	7		
Grey post, with metal	·			Dark grey metal, with	U	U	1 -		
	1	0 2			1	4	3		
partings	-	· -		post girdles	0	0	1		
Grey post, mixed with	1	2 7		COAL, coarse	U	U			13
ironstone and basalt	1	-		Timbé amamanatal mith	_		- 40	5	1.4
Blue metal	2	0 2		Light grey metal, with					
Grey post, with blue	_			3-inch girdle at the			* 0		
metal	0	2 9		bottom Light grey post	1		10		
Grey post, with grey	_			0 0 1	0	4	3		
metal and basalt	1	4 10		Dark grey metal, with					
Blue metal, mixed				post girdles	0	3	10		
with grey post	0	2 6		Light grey post, with					
Very hard grey post	0	5 0		thin grey post gir-					
Very soft blue metal				dles	7	2	7		
(seggar clay)	1	3 5		Dark grey metal, with					
Hard grey metal	0	0 9		ironstone girdles	2	0	0		
Hard grey post	0	1 0		Black stone	0		10		
Blue metal, mixed with				COAL, with black		•			
71	1	0 0		1.1	0	0	9		
	ō	1 0		staty partings		·	12	1	1
Hard grey post	1	0 6		Hand array matal with			12	, 1	
Blue metal		1 1		Hard grey metal, with	0	Δ	=		
Black slaty stone	0			coal pipes	0	0	,5		
Grey metal	0	2 6		Hard grey post, with	0	0	-		
Hard grey post	0	0 9		metal partings	0	3	5		
Dark blue metal	3	1 4		Very hard bastard post	0	1	3		
Dark post, mixed with				Soft coarse white post,					
blue metal	2	0 4		with thin metal					
White post	1	1 7		partings and water	1	2	0		
Brown sandstone, with				Strong metal, with					
white post	1	2 6		post girdles	1	5	11		
White post, mixed				Soft light metal, with					
with dark brown post	0	1 8		5-inch girdle on top,					
White post, mixed				very hard	1	1	3		
with blue metal	5	0 10		Black metal, with a	-	~	Ü		
Blue metal	ő	5 2		hard 6-inch girdle					
Very strong ironstone	0	0 6			0	2	0		
	U	0 0		in middle	U	4	U		
Blue metal, mixed	0	4 C		Strong light grey	0	1	10		
with ironstone	0	4 6		metal	0	T	10		
Grey post, mixed with	_			Hard white post, with					
grey metal White post	2	1 1		metal partings,					
White post	7	$5 4\frac{1}{4}$		coarse at top and		_			
Blue metal, with post				bottom	2	3	2		
_ girdles	1	4 0		Dark grey metal	0	4	8		
Black stone, mixed				Strong dark grey					
with coal	0	1 0		metal	2	5	9		
Strong iron girdle,				Soft light metal, with					
very hard	0	0 8		post girdles	1	0	0		
Brown sandstone	1	3 10		Strong grey post, with					
Blue metal, with post		0 10		metal partings	1	1	5		
girdles	0	1 2		Very hard white post,		-	•		
Grey post, mixed with		1 4			0	5	9		
		0 61		with metal partings	ó	0	U		
whin, very hard	0	$0 6\frac{1}{2}$		Dark grey metal, with	1	-1	5		
Very hard stone	0	0 4		thin post partings	1	4	5		
Strong white post	0	4 10		Hard grey post, with	1	0	4		
Light grey metal	0	1 0		metal partings	1	0	4		
Dark grey metal, with				Dark grey metal, with	-		10		
post girdles	1	1 5		post girdles	3	0	10		
	_								_
Carried forward	44	3 23	242 5 3	Carried forward	21	2	5 30	1 5	53
	2.2	J 24		00111011 201 11011					,

No. 1,829.—SOUTH HETTON.—CONTINUED.

Fs. Ft. In. Fs. Ft. In. Brought forward 21 2 5 301 5 53 Grey whin or bastard	Brought forward 21 $\stackrel{\text{Fs. Ft. In. Fs. Ft. In.}}{4}$ 9 301 $\stackrel{\text{5}}{5}$ $\stackrel{\text{2}}{5}$ Hard white post, very
post, very hard 0 1 3 Dark grey metal 0 1 1	coarse 0 5 3
Carried forward 21 4 9 301 5 5 ³ / ₄	Total 324 3 5\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\

No. 1,830.—SOUTH MEDOMSLEY.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. , Long.

An Account of a Boring in South Medomsley Royalty. October 7th, 1863.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. Clay 11 3 6	Fs. Ft. In. Fs. Ft. In.
	Brought forward 23 0 4
Grey metal 2 0 4	Dark metal 0 2 10
COAL 0 2 1	Grey metal 2 1 6
13 5 11	White post 4 2 9
Grey metal 2 5 0	Black metal 0 0 3
Grey post, with metal	COAL — Brockwell
partings 4 2 0	Seam 0 3 2
Grey metal 0 0 6	7 4 6
Busty Bank Seam-	7 4 0
Ft. In.	Into grey metal stone 0 4 2
COAL 4 0*	and giej metal stone
Grey metal 3 9	
COAL 3 2	
1 4 11	
9 0 5	
Carried forward 23 0 4	Total 31 3 0
Carried for Ward 25 0 4	10tal 31 3 U
	-\$
W 1772 2 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	

^{*} The band sets in about 22 inches from the top of this coal.

No. 1,831.—SOUTH MEDOMSLEY.

TOWNSHIP OF COLLIERLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. 54° 52' 18'', Long. 1° 46' 34''.

Strata sunk through in the Annie Pit, South Medomsley Colliery (13 feet diameter), 1864.

Outset Soil Marl		$\frac{3}{0}$	3	9	Fs.	Ft.	In.	Brought forward 5 0 1 Brown post 1 0 6 Blue metal 1 5 5
Carried	forward	5	0	1				Carried forward 8 0 0

No. 1,831.—SOUTH MEDOMSLEY.—Continued.

							- CONTINUED.
- 1.0		Ft.		Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In
Brought forward	8	0	0				Brought forward 59 0 9
Hard post, with whin	-		4				Seggar 0 2 0
and water Grey metal	1	3	8				Post 1 4 0
	1	9	0				Grey metal 1 4 0 COAL 0 0 5
Hard post, with whin	1	3	2				
and water Blue metal, with iron	1	υ,	. 4				Dl.,
girdles	2	1	0				Dt
	_	- *					Blue metal, with post
Five-Quarter Seam—							partings 5 5 0
Ft. In.							Post, with metal part-
COAL, top,							ings 2 0 0
							COAL-HarveySeam 0 1 10
Splint 2 1							12 3 10
COAL, coarse							Seggar 0 4 0
foul 0 7							Blue metal 3 2 0
	1	0	10				Post, with metal part-
				16	0	0	ings 5 1 0
Blue metal	0	3	5				COAL 0 1 10
COAL, good—Brass	0	U	U			- 11	9 2 10
Thill Seam	0	5	3				Seggar and metal 1 5 0
1,000 200,00				1	2	8	COAL — Top Busty
Strong post thill	0	3	6	_	_		Seam 0 2 0 Blue and grey metal 3 1 0
Grey metal and post			_				
girdles	2	3	0				Lower Busty Seam—
Hard post, mixed with							Ft. In.
whin	0	3	0				COAL, top 2 .0
Grey post, with much							Fire clay 1 8
water	1	4	0				COAL, bot-
Grey metal and post							tom 3 2 1 0 10
girdles	7	3	0				$\frac{1}{-}\frac{0}{0}\frac{10}{6}$ 6 2 10
Black metal	1	5	0				Seggar, with iron balls 1 0 0
White post		0	0				Grey metal, mixed
COAL—Hutton Seam	1	0	6	90	4	0	with post 2 0 0
Soft socran alar	9	0	0	28	4	0	Hard post 3 3 0
Soft seggar clay	0		10				Grey metal 1 0 0
COAL		1		2	1	10	Three-QuarterSeam-
Seggar	0	2	0		-	10	
Blue metal	ő	3	ő				COAL, good 1 8
Grey metal (bed for	Ŭ		Ŭ				Stone band 0 8
tubbing)	4	0	0				COAL, good 0 8
Main Coal Seam-							0 3 0
							8 0 0
COAL, top 3 2							Black metal 0 2 0
Band 0 3							Blue metal 1 0 0
COAL, bot-							Post 0 4 0
tom 1 2							Grey metal 3 0 0
	0	4	7				Supposed Brockwell
				5	3	7	Seam— Ft. In.
Sunk further in 1869							COAL, good 2 0
to the Busty Seam :-							Splint 0 4
Seggar	2	3	0				0 2 4
Grey metal and post	$\tilde{2}$	3	ő				5 2 4
COAL	ō	0	8				
	_	_	_	5	0	8	
				_			-
Carried for	war	d		59	0	9	Total *104 5 0

^{*} Approximate sea level 181 feet below this.

No. 1,832.—SOUTH MEDOMSLEY.

TOWNSHIP OF COLLIERLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. 54° 52′ 38″, Long. 1° 46′ 33″.

Strata sunk through at the Mary Pit, 700 yards North from Annie Pit, South Medomsley Colliery. 1867.

Soil and clay Marl Soft stone Blue metal	Fs. Ft. In. 1 4 0 1 0 0 3 4 0 2 5 0	Fs. Ft. In.	Brought forward 8 0 0 35 4 1 Metal, with ironstone 1 1 0 COAL 0 1 10
Grey metal Main Coal Seam—	4 1 0		Seggar and metal 1 0 0 Post 4 2 0
COAL, top 3 2 Band 1 0 COAL, bottom 1 0	0 5 2	14 1 2	Busty Seam— Ft. In. COAL 0 6 Flagstone 0 3 COAL, top 3 1 Fire clay 2 0 COAL, bottom 2 11
Seggar Grey metal COAL	2 3 0 2 3 0 0 0 8	5 0 8	
Seggar Post Grey metal COAL	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		Grey metal 2 0 0 Blue metal 1 3 0 Three-Quarter Seam—
Blue metal Post Blue metal, with post	1 0 0 3 2 0	3 4 5	COAL 1 6 COAL, with brass bands 0 6 COAL 0 10 0 2 10
partings Post, with metal partings COAL—Towneley or Harvey Seam	6 0 0 2 0 0 0 1 10		Black metal 0 1 8 Post 0 3 0 Strata 4 3 1 Brockwell Seam—
Seggar Blue metal Post, with metal partings	0 4 0 3 2 0 4 0 0	12 3 10	Ft. In. COAL 1 10 Splint 0 4
Carried forward	8 0 0	35 4 1	Total <u>*67 0 5</u>

^{*} Approximate sea level 179½ feet below this.

No. 1,833.—SOUTH MOOR.

TOWNSHIP OF HOLMSIDE, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 51' 10'', Long. 1° 42' 10''.

Strata sunk through at New Acres, near Moor Edge, South Moor Colliery, upon Lanchester Common Royalty. December 10th, 1838.

								·
				In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil	•••	0	1	0				Brought forward 4 1 10 33 4 61
Clay	*** ***	4	5	0				Grey metal 0 4 10
Sand	,,	0	5	0				COAL—Brass Thill
Blue gravel		4	0	7				or Main Coal Seam 1 0 5
Blue metal		1	2	6				6 1 1
White post	~	7	4	5				Grey thill 0 2 11
Shield Row								Grey post 0 4 0
0041	Ft. In.							Blue stone 1 1 5
COAL	2 0							Grey metal 2 1 8
Band	0 3							White post 0 3 4
COAL	4 10			-				Grey metal 0 0 4
		1	1	1	~~	-		White post 0 3 3
G (1:11		_	_		20	1	7	Grey metal 0 1 6
Grey thill		0	4	0				White post 0 1 3
Blue metal	•••	1	0	0				Grey metal 0 1 2
Black stone		0	0	7				White post 2 0 2
COAL		0	0	2				COAL 0 0 6
0					1	4	9	8 3 6
Grey metal		2	2	2				Black stone 0 3 0
White pos		_	~	_				COAL 0 0 6
	and water	0	5	0				0 3 6
Blue metal		0	^					Grey metal 0 5 3
		2	0	4				Post girdles 0 0 3
Black stor		^	1	0				Grey metal 3 2 6
with coal		0	1	0				White post, with water 8 2 11
Grey thill s		0	5	5				COAL (supposed
Blue meta		1	^	0				Maudlin Seam) 0 2 2
		1	0	0			,	——————————————————————————————————————
	st, mixed	1	0					Grey metal 3 5 3
with whi		1	0	9				COAL (supposed Low
Blue and g		1	=	0				Main Seam) 0 3 0
	l girdles	1	5	8				Black stone 0 2 3
Dark blue i		0	2	4				0041
Jet		0	0	2				COAL 0 0 7
Five-Quart	on Soam-	U	U	4				0 11 0 0 0
Live-Quari								111111111111111111111111111111111111111
COAL	Ft. In. 2 10							0 0 0
Splint	0 01	•						7771
Spirit	2 6½	0	5	4	L			0 1 0
			U		11	4	$2\frac{1}{2}$	TT71 11
Grey thill s	stone	0	3	0	TT	T	22	White post 1 0 5
	al, mixed	U	U	U				Hutton Seam) 0 2 6
with pos		3	4	8				6 2 0
Black stone		0	0	2				For sump 3 2 6
		_			_			
Carrie	d forward	4	1	10	33	4	$6\frac{1}{2}$	Total 76 5 3½
		_			-		2	
								Tr

No. 1,834.—SOUTH MOOR.—CONTINUED.

To Hutton Seam Fs. Ft. In.						
Bored, February 23rd, 1857:—	To Hutton Seam	Fs. Ft				
COAL						I WEIGHT
White post 2 0 0 0 Metal 2 2 0 0 White post 5 3 0 Whim 0 1 3 Grey post 5 5 5 9 Grey metal 1 1 0 COAL 1 1 Metal 0 3 COAL 0 3 Metal 0 9 COAL 0 3 Metal 0 9 COAL 0 3 Metal 0 9 COAL 0 3 Metal 0 9 COAL 0 3 Metal 0 9 COAL 0 3 Metal 0 9 COAL 0 3 Metal 0 9 COAL 0 3 Metal 0 9 COAL 0 3 Grey metal 0 0 9 Metal stone 0 5 9 Metal stone 0 5 9		0 1	0			
White post 5 3 0 Whin 0 1 3 Grey post 5 5 9 Grey metal 6 4 0 Dark metal 1 1 0 Grey metal 1 1 0 Grey metal 0 1 8 White post 1 4 6 Grey metal 0 5 0 Metal 0 5 0 Metal 0 5 0 Metal 0 5 0 Grey metal 0 5 0 Metal 0 5 0 Metal 0 2 0 Grey metal 1 1 0 Metal 0 9 Grey metal 1 1 1 0 Metal 0 0 3 0 Metal 0 0 5 0 Metal 0 0 5 0 Metal 0 0 5 0 Metal stone 0 5 0 Feet metal 0 0 5 0 Metal stone 0 5 0 Feet metal 0 0 5 0 Metal stone 0 5 0 Feet metal 0 0 5 0 Feet meta		2 0	0			6 4 0
Whin 0 1 3 3 Grey post 5 5 9 9 Grey metal 6 4 0 Dark metal 1 1 0 Grey metal 1 1 0 6 Grey metal 1 0 6 Grey metal 1 0 6 Post 0 5 0 Metal 0 2 0 COAL (supposed Busty Bank Seam) 0 3 2 Metal 0 3 0 Grey metal 1 1 0 Metal 0 0 0 9 Metal stone 0 5 0 Grey metal 0 0 5 0 Metal stone 0 5 0 Metal stone 0 5 9 Metal stone 0 5 9		2 2	0			
Grey metal 6 4 0 Dark metal 1 1 0 COAL 1 1 1 Metal 0 3 COAL 0 3 COAL 0 3 Metal 0 2 0 COAL 0 3 2 COAL 0 3 2 COAL 0 3 2 Busty Bank Seam 0 3 2 Metal stone 0 5 0 Metal stone 0 5 0 Metal stone 0 5 9		0 1	3			
Dark metal 1 1 0		5 5	9			
COAL 1 1 1 1	70 3 1 3					White post 1 4 6
Metal 0 3 COAL 0 3 Metal 0 3 Metal 0 9 COAL 0 3 Metal 0 9 COAL 0 3 — 0 2 7 — 27 2 7 Grey metal 1 1 0 White post 0 3 0 COAL 0 1 10 — 1 5 10						Grey metal 1 0 6
COAL 0 3 Metal 0 9 COAL 0 3 — 0 2 7 — 27 2 7 Grey metal 1 1 0 White post 0 3 0 COAL 0 1 10 — 1 5 10						Metal 0 2 0
Metal 0 9 COAL 0 3 0 2 7 27 2 7 Grey metal 1 1 0 White post 0 3 0 COAL 0 1 10 1 5 10	COAL 0 3					
Grey metal 1 1 0 White post 0 3 0 0 0 5 9 White post 0 1 10	0041					
Grey metal 1 1 0 White post 0 3 0 COAL 0 1 10 1 5 10		0 2	7			
Grey metal 1 1 0 White post 0 3 0 COAL 0 1 10			27	2	7	
COAL 0 1 10 1 5 10			-			0 5 9
1 5 10	COAL		-			
Carried forward $106 \ 1 \ 8\frac{1}{2}$ Total $124 \ 5 \ 9\frac{1}{2}$				5	10	
Carried forward 106 1 $8\frac{1}{2}$ Total $124 5 9\frac{1}{2}$						
	Carried for	vard	106	1	$8\frac{1}{2}$	Total $124 binom{5}{91}$

^{*} Approximate sea level (Ordnance datum).

No. 1,835.—SOUTH MOOR.

TOWNSHIP OF LANGLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 51' 2'', Long. 1° 42' 49''.

An Account of the Boring in South Moor Staple, about half a mile West of the Pit.

	Fs.	Ft.	In.	Fs.		In.						Ft.	
Sunk about				28	0	0	Brought forward	6	2	6	29	0	6
Grey metal							Grey metal	1	3	6			
COAL	0	2	6				White post	0	5	0			
			_	1	0	6	Grey metal	2	4	0			
Grey metal	6	1	0				Hard post girdle	0	2	0			
Black metal, mixed							COAL	0	1	0			
with coal	0	1	6								12	0	0
	_					-					_		_
Carried forward	6	2	6	29	0	6	Carried forw	arc	1		41	0	6

No. 1,835.—SOUTH MOOR.—CONTINUED.

Brought forward Grey metal Grey and white post COAL	2 0 0 8 0 0	Brought forward Supposed Low Seam— Ft. In, COAL 2 11 Grey metal	Fs. Ft. In. Fs. Ft. In. 0 2 11 60 2 1
Post Metal girdles Metal Ft. In. COAL 0 3	3 3 0 3 2 0 1 0 6 0 4 0	Grey metal Grey post Grey metal	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	0 2 4 8 5 10 0 2 11	Grey metal Into white post (left off May 14th, 1859)	The second of
Carried forward	0 2 11 60 2 1	Total	*68 2 0

^{*} Approximate sea level 300 feet below this.

No. 1,836.—SOUTH MOOR.

TOWNSHIP OF LANGLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Account of Boring in South Moor Royalty, yards West from Farm House.

December 23rd, 1866.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Clay 4 1 9	Brought forward 13 1 3 21 3 11
Grey post 0 1 0	Grey post 0 3 0
Grey metal 1 0 3	Metal, with post gir-
Grey post 0 2 0	dles 3 3 3
Grey metal 0 5 0	Dark metal girdles 0 4 6
Grey post 0 5 6	Five-Quarter Seam—
Black metal 0 4 3	Ft. In.
Grey and dark metal 7 4 7 Post 3 5 2	COAL 3 1
Post 3 5 2	Splint 2 3
Metal stone 0 2 0	0 5 4
Shield Row Seam—	
Ft. In.	COAL - Main Coal
COAL 2 6	Seam 0 5 3
Metal 0 1	0 5 3
COAL 3 1	
Metal 0 6	Grey metal 0 1 6
COAL 2 3	White post 2 2 3 Grey metal 3 5 3 Post 0 3 0
1 2 5	Grey metal 3 5 3
21 3 11	
Grey metal 8 0 3	Dark stone 0 1 0
Strong white post 1 3 0	Into white post.
Grey metal stone and	7 1 0
post girdles 3 4 0	
	10.0.0
Carried forward 13 1 3 21 3 11	Total 48 3 6

No. 1,837.—SOUTH MOOR.

TOWNSHIP OF LANGLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 50′ 3″, Long. 1° 42′ 41″.

An Account of Strata bored through on Langley Moor Farm, about \(\frac{3}{4} \) mile Southwest of the Pit, and close to Mr. Gee's Fence. Commenced December 3rd, 1866; bored through Hutton Seam Sept. 2nd, 1867. By George Stott and Son, of Ferryhill.

	Fs.	Ft.	In.	Fg.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Clay, &c	4	1	9				Brought forward 6 3 0 41 1 4
Grey post	0	1	0				Grey post 0 3 0
	ĭ	0	3				Dark stone 0 1 0
Grey metal			0				
Grey post	0	2	~				Grey post, with metal
Grey metal	0	4	0				partings 2 0 0
Grey post	0	5	6				Grey metal and metal
Black metal	0	4	3				stone 4 3 4
Grey and dark metal	7	4	7				Strong grey or white
~ '	3	5	2				post 10 5 0
36 / 1 /	0	2	0				post 10 0 0
Metal stone	U	Z	U				Maudlin Seam—
Shield Row Seam-							
							Ft. In.
COAL 2 6							COAL 1 8
							Black metal,
Metal band 0 1							scared with
COAL 3 1							coal 3 0
Metal band 0 4							COAL 0 8
COAL 2 3							
	1	2	3				0 5 4
	-	2	0				25 2 8
	_			21	2	9	Grey metal, with gir-
Crow matal stone	0	0	0				11
Grey metal stone	8	0	3				dles 3 1 2
White post	1	3	0				Dark metal 0 3 3
Grey metal stone and							COAL — Low Main
girdles	3	4	0				Seam 0 2 8
Grey post	0	3	0				4 1 1
Metal and metal stone,	•	U	0				Grey metal and metal
	0	0	0				
with girdles	3	3	3				stone, with post
Dark metal, with							girdles 2 2 4
girdles	0	4	6				Post girdle 0 1 6
							Grey metal 0 2 10
Five-Quarter Seam-							Grey post 3 0 8
Ft, In.							1 35 / 3 /
COAL 3 1							Metal stone 1 1 5
0.11.1							Hutton Seam—
Splint 2 3							
	0	5	4				COAL, good 3 7
				10	~	4	
			_	18	5	4	COAL, coarse
COAL - Main Coal							and slaty 0 5
or Brass Thill Seam	0	5	3				0 4 0
o. Di was Intu Beam	U	U	O	0	=	9	8 0 9
C	_	7	_	0	5	3	In grey metal or seg-
Grey metal		1					gar clay 0 0 6
White post	2	2	3				gai ciay U U U
Grey metal	3	5	3				
•							
Carried forward	6	3	0	4.1	1	4	Total *79 0 4
Carried for ward	0	9	0	3.1		r	Total *79 0 4
	at A					1	100// 0 / 1 1 / 11

^{*} Approximate sca level 325 feet below this.

No. 1,838.—SOUTH PONTOP.

TOWNSHIP OF COLLIERLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. , Long.

Strata sunk through at the Lizzie Pit, South Pontop Colliery, Lanchester Common.

Approximate surface level feet above sea (Ordnance datum).

01				Fs.	Ft.	In.	Brought forward 6 4 5 9 1 7
Clay	2	1	4				
Clay White post	6	1	Э				Strong grey post 1 1 3
Shield Row Seam-							Blue metal and iron
Ft. In.							girdles 2 0 2
COAL, good 3 0							Grey post, mixed with
COAL, brassy 3 0							white 9 2 0
	1	0	0				Soft blue metal 0 0 9
		•	·	9	1	17	COAL—5/4 Seam 0 5 6
				9	т	- 1	
Soft blue metal and							20 2 1
iron girdles	2	4	9				Stone $0 \ 0 \ 10\frac{1}{2}$
Strong blue metal and							COAL—Brass Thill
iron girdles	0	5	7				Seam 0 5 8
Blue metal	2	1	0				$$ 1 0 $6\frac{1}{3}$
Chara most	<u> </u>	Ē	1				1 0 02
Grey post	U	U					
					-	-	
Carried forward	6	4	5	9	1	7	Total 30 4 2½

No. 1,839.—SOPPIT.

TOWNSHIP OF ELSDON, NORTHUMBERLAND.

Sheet 52 of Ordnance Map. Lat. , Long.

Section of the Strata in the most Western Pit at Soppit Colliery, near Elsdon. 1846.

Approximate surface level feet above sea (Ordnance datum).

Clay			Fs. 10			Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 14 3 9
Limestone			0	2	0				Grey shale 0 4 3
Grey shale Hard freeste			1	0					Soft coarse freestone 2 4 0 Strong grey shale 0 4 0
Grey shale			0	4	6				White freestone plate 0 4 0 White coloured shale 1 0 11
COAL	•••	•••	0	U	3	14	3	9	COAL 0 3 10
						17	U	J	6 3 0
Carried	forwar	d				14	3	9	Total 21 0 9

No. 1,840.—SOUTH SHIELDS.

TOWNSHIP OF WESTOE, DURHAM.

Sheet 4 of Ordnance Map. Lat. , Long.

Bored at South Shields in the Quarry Close. 1759.

Approximate surface level feet above sea (Ordnance datum).

,							
Soil and sand				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 2 2 0 20 0 4
Brown ramble stone							Grey and white post,
Brown and grey post,	_			1	2	0	with whin lumps and water 2 0 8
with water		3	0				Brown and white post 10 4 0
Blue metal	ĭ	4	9				Brown and grey post 2 2 0
COAL, with scare		_					White and grey post,
bands	0	2	4				with coal pipes and
				10	4	1	stones 7 3 0
Grey thill	0	1	5				Grey metal stone, with
Grey metal, with water Grey metal stone White post, with water	1	4	6				grey post girdles 1 4 6
Grey metal stone	3	0	0				Blue metal, with stony
White post, with water	2	1	0				lumps 0 3 6
Grey metal	0	4	0	•			Black metal 0 2 0
COAL	U	T	4	8	0	0	
Grey thill	0	1	_	0	0	ð	In grey stone 1 1 0
Grey thill Grey metal stone	2	1	0				
Grey metal stone		1	_				
Carried forward	2	2	0	20	0	4	Total 48 5 0
			,		0	2	2002

No. 1,841.—SOUTH SHIELDS.

TOWNSHIP OF WESTOE, DURHAM.

Sheet 4 of Ordnance Map. Lat. , Long.

Third Hole bored near Westoe, in the Quarry Field, near the South-east Corner of the Ginn Close. April 1st, 1779.

	Fs.	Ft.	In. Fs.	Ft.	In.		Fs.	Ft.	In, Fs.	Ft.	In.
Old borehole			49	0	0	Brought forward	1	4	3 49	0	0
Greenish grey metal						Grey metal	0	1	0		
stone	0	2	6			Black metal, with					
Strong white post, with						scares of coal	0	0	4		
water	0	1	0			Black metal	0	1	0		
Black grey metal	0	1	0			Red seamy metal					
Grey metal	0	4	9			stone	1	1	0		
Grey post	0	1	0			Whin	0	1	0		
* * ,											
Carried forward	1	4	3 49	0	0	Carried forward	3	2	7 49	0	0

No. 1,841.—SOUTH SHIELDS.—CONTINUED.

Fs. Ft. In. Fs. Ft, In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 3 2 7 49 0 0	Brought forward 15 2 6 49 0 0
Strong grey post 0 1 8	Strong white post 0 2 0
Red scamy stone 0 1 0	Grey metal stone 1 0 0
Red scamy stone 0 1 0 Whin mixture 0 1 0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Whin 0 1 2	Black metal 0 1 0
Strong grey and brown	Ft. In.
post, mixed with	COAL 0 8
water 0 2 0	Black grey metal,
Red scamy stone 0 1 1	with scares
Strong white post,	of coal 0 4
mixed with whin	COAL 0 11
girdles and red	0 1 11
scamy partings 7 2 6	
	Crow motel
	Grey metal 0 1 0
	Grey metal stone 0 2 0
	Grey metal stone 0 2 0 Grey post, with water 0 3 0 Strong white post 1 0 6 Grey post 0 3 6
Black metal 0 0 8	Strong white post I 0 6
Black metal, scared	Grey post 0 3 6
with coal 0 0 4	In blue metal stone 0 3 0
Greenish blue metal,	3 1 0
with hard girdles 1 5 0	
Carried forward 15 2 6 49 0 0	Total 70 1 5

No. 1,842.—SOUTH SHIELDS.

TOWNSHIP OF WESTOE, DURHAM.

Sheet 4 of Ordnance Map. Lat.

, Long.

Bored at South Shields in the South Dean. 1759.

	Fs. Ft. In. Fs. Ft. In.		Fs. F				
Soil and brown clay	3 3 6	Brought forward	3 () 11	8	0	7
White post, with me-		Black stone, mixed					
tal partings and		with coal	0 (6			
water	0 4 0	Grey metal, with coal					
Grey and white post	1 4 0	pipes	0 :	6			
Grey metal		Grey metal	2 3	9			
Black stone		COAL	0 1	0			
COAL	0 1 3				6	1	8
	4 3 1	Grey thill					
	0 0 7	Grey metal stone	0 8	3			
Grey metal stone, with		Grey metal, with hard					
post girdles	1 4 10	lumps					
Grey and white post,		COAL	0 (8			
with water		Grey metal, mixed					
Grey metal	0 0 6	with coal	0 1	. 1			
					2	2	6
					-		_
Carried forward	3 0 11 8 0 7	Carried for	ward		16	4	9

No. 1,842.—SOUTH SHIELDS.—CONTINUED.

Fs. Ft. In. Fs. Ft. In. Brought forward 16 4 9	Fs. Ft. In. Fs. Ft. In.
	Brought forward 0 4 6 18 5 8
Grey thill 0 2 9	White and grey post,
Brown and white post,	with water 1 1 10
with metal post and	Grey metal stone 5 3 0
water 1 2 0	Ft. In.
Grey metal 0 1 10	COAL 1 4
COAL 0 0 4	Band 0 2
2 0 11	COAL 0 9
Grey thill 0 1 0	<u> </u>
Grey metal stone 0 1 9	
Strong white post 0 1 9	In grey thill 7 0 0
burong writte post O I 3	in grey unit 7 0 0
Carried forward 0 4 6 18 5 8	Total 33 5 3
7	

No. 1,843.—SOUTH SHIELDS.

TOWNSHIP OF WESTOE, DURHAM.

Bored near South Shields. First Hole. March 16th, 1778.

, Long.

Sheet 4 of Ordnance Map. Lat.

Approxima	ate :	surf	face	lev	el	f	eet above sea (Ordnance datum).	
Soil	Fs.	Ft.	In. 6	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. Brought forward 18 1	In.
Leafy clay	2	0	9				Grey metal 1 0 4	
Strong clay	0	3	0				Black metal 0 1 10	
0	_			2	5	3	Grey metal 0 0 10	
Grey metal	0	3	6				Strong white post 0 2 0	
Black metal			0				Grey metal and metal	
Grey girdle	0	0	6				stone, with water 2 2 6	
Black stone	0	ĭ	0				Blue metal 0 5 10	
Grey metal, with post							COAL, with danty	
girdles and water	3	0	3				bands 0 2 2	
Black metal, mixed								6
with coal	0	1	6				Grey metal stone 0 0 6	
Soft grey metal	0	. 1	6				White post, with	
Red metal		1	6				water 0 3 0	
Reddish brown post,							Blue grey metal stone,	
with cashy partings							with post girdles 5 1 0	
and water, and set-							Blue and black metal,	
tled the top feeder	5	2	0				mixed with coal at	
Strong white post			4				the bottom 0 3 6	
Strong reddish and							Grey metal 0 2 3	
brown post, with							Grey metal 0 2 3 Strong white post 1 3 0	
cashy partings and							Grey metal 0 3 0	
water	3	2	2				Greenish grey metal	
Red scamy metal	0		0				stone, with post gir	
COAL, foul?			6				dles and water 1 0 0	
,_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	_			15	1	9	Strong white post 1 1 9	
Carried forwa	ard			18	1	0	Carried forward 11 0 0 23 4	6

No. 1843.—SOUTH SHIELDS.—CONTINUED.

					Ft.						Fs.	Ft.	In.
Brought forward	11	0	0	23	4	6	Brought forward	5	0	2	41	3	0
Grey metal stone, with			,				Brown post, with red						
post girdles and	_						partings	1	2	10			
water	1	3	6				Strong white post,						
COAL, with scares		_					mixed with whin	0	3	6			
of brass	0	1					Brown seamy post,						
	_			12	4	6	with metal partings	0	2	6			
Black and grey metal,							Strong blue scamy						
with scares of coal	0	2					metal, with water	1	3	6			
Grey metal	0	3	0				Soft black metal, with						
White post, with water	0	3	0				water	0	1	6			
Grey metal stone	0	3	9				COAL, with danty						
COAL, foul, with							scames	0	2	0.			
water	0	1	2								9	4	0
Blue metal, with scares			`				Grey metal	0	1	6	_	-	-
of coal	0	0	9				Grey scamy post, with						
Grey metal stone	2	1	11				water	1	0	0			
Grey metal	_	1					Grey metal stone, with						
COAL	0	1	2				hard lumps and						
				5	0	0	water	1	5	0			-
Grey metal	0	0.	4				Black metal, with	_					
Reddish brown post	0	3	0				scares of coal	0	0	6			
Whin	0	1	2				Grey metal	0	ĭ	6			
Grey metal stone, with	_	_	_				Greenish grey metal	U	-	U			
red partings	0	5	0				stone	1	4	6			
Whin	ő		ő				Whin	0	1	8			
Reddish brown post,	U		0				Strong white post	4	3	0			
with water	0	1	0				Whin	0	3	2			
Whin	0						Strong white post	5	2	8			
Strong white post,	U	u	U				XXXX *	0	1	0			
mixed with whin	1	1	6					0	3	0			
1771 *	_		11				Blue grey metal stone	-	1	1			
	U	U	11				Strong white post	0	1	2			
Strong white post,	1	1	c					0	2	3			
3371 ·	_	1					In whin mixture	0	2	3	1/4	0	0
Whin =	0	0	9							_	17	2	U
G	-	-		47	0		m ()				-	0	
Carried forward	5	0	2	41	3	0	Total		• • •	_	68	3	0
							1			_			

No. 1,844.—SOUTH SHIELDS.

TOWNSHIP OF WESTOE, DURHAM.

Sheet 4 of Ordnance Map. Lat.

, Long.

Bored near Westoe, about 100 yards to the South from the Bent House. Second Hole. Begun June, 1779; finished 1780.

Sunk and bored formerly 28 4 6 Greenish metal stone and post girdles, set away the water 2 5 6	Brought forward 31 4 0 White and grey post, with metal partings 0 5 0 Grey metal stone 5 4 0 COAL 0 1 2 38 2 2
Carried forward 31 4 0	Carried forward 38 2 2
	717

No. 1844.—SOUTH SHIELDS.—CONTINUED.

	77. T	14 T 1	734 T	1	Tit.	TOA	Y	77	79.	
Brought forward	Fs. F		Fs. Ft. I:	Brought forward	Fs. 14	It.	In. 7	Fs. 55	Ft.	In
Grey metal	0 :	1 6		Blue metal		1	0	4		
Reddish grey metal,				COAL	0	1	0			
with post girdles	1 (٠ .			_	16	3	7
and water		0 6		Grey metal	0	0	6			
Whin Red stone		19			1	0	0			
Red stone Whin mixture	o° 1			Whin	0	1	1			
Strong white post	3			Grey metal stone and	_					
Red and grey scamy				whin girdles	2	3	3			
post		3 4		COAL	0	2	4			
Blue metal stone	0 2	2 3		-			_	4	1	2
				Grey metal stone	1	0	3			
Supposed 70-Fathoms										
Coal— Ft. In.				COAL, foul in Ft. In.						
COAL, hard				places 1 3						
coarse 0 9 Greyand blue				Brassy band 0 4						
metal 1 3				COAL 0 3						
COAL, hard					0	1	10			
coarse 1 6				•				1	2	1
	0 3	6						*	-	
	0		1 4 4	Grey metal	0	2	9			
		I	1 4 (Strong grey metal and	_					
Cuan matal	0 1	0		hard girdles	2	2				
Grey metal				Whin	0	1	0			
Grey metal stone Grey scamy post	0 2	_		Strong grey metal stone	0	1	6			
Grey metal stone, with	_			Stone Whin mixture	0	1	6			
post girdles and me-				Strong grey metal	v	*				
tal partings	4 2			stone and hard gir-						
COAL	0 0	1		dles	7	2	0			
			5 0 7	Blue grey metal	2	2	0			
			0 0	Whin	0	0	7			
Grey metal stone	1 4				0	3	0			
Whin (11 days' work)				Grey metal stone, with partings	1	5	5			
White post	5 3				ō	0	4			
	$\begin{array}{ccc} 0 & 2 \\ 0 & 0 \end{array}$					ĭ	8			
	$\begin{array}{ccc} 0 & 0 \\ 0 & 0 \end{array}$				0	0	6			
	1 1			White post Whin	0	1	6			
Whin mixture	0 1			Grey metal stone and	1	0	0			
Blue metal	0 3				1	2	0			
Black metal and scares				Dark grey metal and	0	2	0			
of coal	0 0	3		4 4	0	5	0			
Strong white post,	1 0	0		Grey metal stone,		,				
with whin Whin	$\begin{array}{ccc} 1 & 3 \\ 0 & 1 \end{array}$				2	1	0			
White post	0 2			Grey metal stone,						
Blue grey metal, with	J 11			with girdles and			_			
girdles	1 0	9		metal partings	1	3	0			
Black slaty stone	0 1				_	1	0			
	0 0			Grey metal Whin girdles and me-	0	1	0			
Whin girdle	0 0				2	3	9			
Grey metal	0 1	4				0	8			
Whin, with small part- ings near top	0 2	10					- 2	5	A	0
mgs noar top	0 2	10					- 4	0	*	0
				Tr. 4.1			10		per	-
Carried forward	14 1	7 55	5 0 9	Total			10	Z	5	7

No. 1,845.—SOUTH SHIELDS.

TOWNSHIP OF WESTOE, DURHAM.

Sheet 4 of Ordnance Map. Lat. , Long.

Account of Boring at South Shields. May 2nd, 1814.

Approximate surface level feet above sea (Ordnance datum).

Soil				Fs.	Ft.	In.	Brought forward	s.]	Ft.	In.	Fs. 8	Ft.	
Brown leafy clay, with scares of sand	1	2	0				Brown post and partings (COAL, foul)	5	0			
Stony clay, with scares of sand Leafy clay, with scares	5	2	6				Grey metal	_			1	0	0
of sand Gravel, with water							Whin				0	1	2
Carried forw	ar	d		$\frac{8}{8}$	0	6	Total				9	1	8

No. 1,846.—SOUTH SHIELDS.

TOWNSHIP OF WESTOE, DURHAM.

Sheet 4 of Ordnance Map. Lat. , Long.

Account of Boring at South Shields, in Brick Yard North of King Street.
April 20th, 1815.

Sall alan amand and	Fs. Ft. In. Fs. Ft. In.	Brought forward	Fs. Ft. In. Fs. Ft. In.
Soil, clay, gravel, and			0 0 0
loam rubbish, with		Sand, with a siping of	0 0 0
a siping of water	1 0 0	of water	0 0 9
Strong clay	0 3 0	Strong clay, with	
Sand	0 0 9	scares of sand	2 2 9
Sand Olay	0 3 3	Sand, with water	0 5 6
Sand, with a siping		Stony clay Sand, with water	0 3 0
of water	0 2 0	Sand with water	5 5 6
	0 2 0	Leafy clay, with scares	0 0
Leafy clay, with scares	0 1 0		1 0 6
of sand		of sand	
Strong clay	1 0 0	Sand	0 0 0
Gravel	0 1 6	Sand In gravel	0 2 7
Strong stony clay	2 1 0		17 3 7
0 . 10 1	2 0 0	Total	17 3 7
Carried forward	6 0 6	Total	1/ 5 /

No. 1,847.—SOUTH TANFIELD.

TOWNSHIP OF KWO, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 52′ 10″, Long. 1° 43′ 15″.

An Account of Strata sunk through at South Tanfield Colliery, in Kyo Estate, from the surface to Brass Thill (or Main Coal) Seam. Sunk to Five-Quarter Seam, 1837; to Brass Thill Seam, September, 1839.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In	n.
Soil	0	1	0				Brought forward 28 1 1	0
Blue gravelly clay and							Thill stone 0 3 6	
sand		1					Post and grey metal	
Grey post	2	1	0				stone 10 5 8	
Blue metal stone	1	1	5				Grey post 3 0 0	
COAL and black								
stone	0	4	6				Five-Quarter Seam—	
	_	-		10		_	Ft. In.	
				12	3	7	Jet 0 1	
Grey thill stone	0	2	0				COAL, good 3 1	
Grey metal stone		5					Splint 0 2	
White post, with water							COAL, good 1 6	
Grey post, with water		ī					— 0 4 10	
Blue metal stone, with	0	-	9				0 4 10	
	3	0	0					0
COAL	-	0						
	U	U	U				Thill stone 1 0 0	
				4	4	7	Blue metal stone, with	
Strong thill stone	0	4	3				post girdles and	
Blue metal stone	2						water 0 5 0	
Post (Shield Row Post)	_		•				Post, with water 1 0 0	
with much water,							Grey metal stone, with	
which has all taken							post girdles 2 2 0	
off	6	2	0				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
on	O	4	U				COAL—Brass Thill	
Shield Row Seam-							Seam 0 5 3	
							6 0	3
COAL, top Ft. In.								1
(coarse) 1 2								
COAL, good 4 4								
Swad or coarse								
slaty coal 0 6								
							•	
COAL, ground								
(very hard) 1 4	- 1	7	4					
	1	1	4	10	_	0		
	_			10	5	8		
O 1.6		л			7	10	m . 1	7
Carried for	war	O.		28	1	10	Total *49 4	1

^{*} Approximate sea level 492 feet below this.

No. 1,848.—SOUTH TANFIELD.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance-Map. Lat. 54° 52' 10'', Long. 1° 43' 15''.

Account of the Strata sunk through in the C Pit, South Tanfield Colliery. Commenced sinking, April 11th, 1870; finished, July 22nd, 1871.

Strong clay and loam 1 0 0 0	Strong clay	Fs.	Ft. I		Ft.	In.	Brought forward 10 2 0 49 2 4	1.
Clay, mixed with sand	Clay, mixed with						COAL 0 0 4	
Post stone								ö
Blue metal	TO 1 1							
Post girdle								
Seggar clay 0 1 6		0	0 8	3				
Seggar clay 0 1 6 6 6 6 6 6 6 6 6								
Post girdle	COAL	0			_	-		
Post girdle	Social alex	_			Э	7		
Post girdle								
Soft blue metal								
Post)				
Seggar, mixed with blue metal		-						
Post, mixed with blue metal	COAL	0	0 6		1	0		
Dive metal	Secon mixed with			. 4	1	0		
Blue metal		0	4 6	3			D 1	
Beamish District; Hutton Seam of the Pontop District Hutton Seam of the Pontop District Hutton Seam of the Pontop District								
Hutton Seam of the Pontop District— Seam 10 COAL, good 3 1		5	3 8	3				
Thill stone 0 2 9 Blue metal 1 5 9 Blue metal, with 2 feet		٥	= +	,				
Thill stone	seam		9 /		1.	1.		
Blue metal 1 5 9 Blue metal with 2 feet of whin girdle 3 3 2 2 Blue metal 1 4 1 1 1 1 1 1 1 1	Thill stone	0	2 9		T	T	-	
Blue metal, with 2 feet of whin girdle 3 3 3 2 Blue metal 1 4 1 COAL 0 0 3 Blue metal 0 0 0 3 Blue metal 0 4 6 Blue metal 0 4 6 Blue metal 0 2 0 Post stone 4 1 0 COAL, good 1 9 Band 0 6 COAL, good 3 6 Band 0 2 COAL, good 3 6 Band 0 2 COAL, good 1 4 COAL, good 1 4 COAL, good 1 4 COAL, good 1 4 Seggar 0 1 7 Post, mixed with blue metal 0 2 4 Blue metal 0 2 4 Blue metal 0 0 1 7 Fost, mixed with blue metal 0 1 3 Blue metal 0 2 4 Blue metal 0 3 0 Blue metal 1 0 11 COAL—Brass Thill Seam 0 5 1 Post 1 0 0 Blue stone and seggar 0 2 0 Blue stone 0 3 0 Blue metal 0 4 7 Post 3 3 0		1					COAL, good 3 1	
COAL 1			_				Band 1 0	
Blue metal	TM 1 1						COAL, jet 0 6	
Segar 1 1 1 1 1 1 1 1 1	0011						Rand 0 6	
Blue metal 3 4 0 Blue metal, with post girdles 0 4 6 Blue metal 0 2 0 Post stone 4 1 0 COAL—Five-Quarter Seam 0 5 3 Thill stone 0 5 0 Blue metal 1 4 0 Grey metal 1 3 0 Blue metal 1 0 11 COAL—Brass Thill Seam 0 5 1 Thill stone and seggar 0 2 0 Post 0 5 1 Blue metal 0 3 0 Blue stone 0 3 0 Blue stone 0 3 3 0 Blue metal 0 4 7 Post 3 3 0					4	0		
Seggar 10 10 10 10 10 10 10 1	Blue metal	3	4 (_			
Blue metal	Blue metal, with post						COAL, good 1 4	
Post stone		-	_			- 1		
Post, mixed with blue metal 0 2 4 4 5 6 0 0 6 0 0 6 0 0 6 0 0	T) 1 1						Cannan 0 1 7	'
Seam 0 5 3 9 4 9 Blue metal 0 1 3 Blue metal 0 3 0 Blue metal 1 5 4 COAL — Brass Thill Seam 0 5 1 Thill stone and seggar 0 2 0 0 Blue stone 1 0 0 Blue stone 0 3 0 Blue metal 0 3 0 Blue metal 0 2 4 Blue metal 0 1 3 Blue metal 0 3 0 COAL — Main Coal or Hutton Seam 0 3 0 Blue metal 0 2 0 Blue metal 0 4 7 7 Post 3 3 0 Blue metal 0 4 7 7 7 4 0 0 0 Blue metal 0 4 7 7 4 0 0 0 Blue metal 0 4 7 7 4 0 0 0 0 Blue metal 0 4 7 7 4 0 0 0 0 Blue metal 0 4 7 7 4 0 0 0 Blue metal 0 4 7 7 4 0 0 0 0 Blue metal 0 4 7 7 4 0 0 0 0 0 0 0 0 0			1 (,			-00	
Thill stone 0 5 0 8 4 9 Blue metal 0 1 3 Blue metal 0 3 0 Blue metal 1 4 0 8 Blue metal 1 5 4 COAL—Brass Thill Seam 0 5 1 6 0 0 Blue stone 1 0 0 3 0 Blue stone 0 3 0 Blue metal 0 2 0 Blue metal 0 4 7 Post 3 3 0 Blue metal 0 4 7 4 0 0			5 3	3				
Blue metal				. 9	4	9		
Blue metal 1 3 0 Blue metal 1 5 4	Thill stone							
Blue metal								
COAL—Brass Thill Seam 0 5 1 6 0 0 Thill stone and seggar 0 2 0 0 3 0 Post 1 0 3 0 Blue stone 3 3 0 Blue metal 0 2 0 Blue metal 0 4 7 Post 3 3 0 Blue metal 0 4 7 Post 3 3 0	Blue metal						1 - 4	
Seam or Hutton Seam 0 3 0 Thill stone and seggar 0 2 0 6 0 0 Seggar 0 3 0 3 4 6 Post 1 0 0 Blue metal 0 2 0 Blue metal 0 2 0 Blue metal 0 2 0 Blue metal 0 2 0 Blue metal 0 4 7 8 Post 3 3 0 8 Blue metal 0 4 7 7 Post 2 2 5 Blue metal 0 4 7 4 0 0 0	COAL-Brass Thill	-	0 11				Post	
Thill stone and seggar 0 2 0 Post 1 0 0 . Blue stone 0 3 0 Blue metal 0 2 0 Blue metal 0 2 0 Blue stone and post 1 3 0 Post 3 3 0 Blue metal 0 4 7 Post 0 3 0 Blue metal 0 4 7 A 0 0	C	0	5 1					
Post 1 0 0 Blue metal 0 2 0 Blue stone 0 3 0 Blue metal 0 2 0 Blue metal 3 3 0 with ironstone balls 2 2 5 Blue metal 0 4 7 Post 3 3 0	(III) *11 .				0	0	0.00	
Blue stone 0 3 0 Blue metal 3 3 0 Blue stone and post 1 3 0 Post 3 3 0 Blue metal, mixed with ironstone balls 2 2 5 Blue metal 0 4 7 4 0 0		-						
Blue metal 3 3 0 Blue stone and post 1 3 0 Post 3 3 0 Post 3 3 0	D1							
Blue stone and post 1 3 0 Post 3 3 0 Blue metal 0 4 7 4 0 0	Blue metal	3						
Post 3 3 0 4 0 0	Blue stone and post	1					Blue metal 0 4 7	
Carried forward 10 2 0 49 2 4 Total *86 4 4			3 0	1			4 0 0	
	Carried forward	10	2 0	49	2	4	Total *86 4 4	

^{*} Approximate sea level 270 feet below this.

No. 1,849.—SPENNYMOOR.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

Account of Boring at Spennymoor No. 1 Hole.

Approximate surface level feet above sea (Ordnance datum).

					T 77	771	-	70 TH T. T. TH TH	
C.1					In. F	s. Ft.	in.	Fs. Ft. In. Fs. Ft. I	n.
Clay			2	2	4			Brought forward 10 3 4	
Metal			0	3	7			Metal 1 0 6	
Post			1	0	6			11 3 1	10
Metal			0	4	3			COAL 0 2 3	
Post			2	1	2			Metal, mixed with coal 0 0 4	
Metal, mix	xed with	coal	0	2	0			0 2	7
Metal			2	4	6			Grey metal.	
Post			0	3	0				
									-
Carri	ed forw	ard	10	3	4			Total 12 0	5
Culti	cu loi III	ui c	10	-	-			20002 111	=

No. 1,850.—SPENNYMOOR.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

Boring near Mr. Adamson's Public House. 1858.

Approximate surface level feet above sea (Ordnance datum).

				Fs.	Ft.	In.	Fs.	Ft.	In.	
Clay		 	 	 2	5	0				
Metal		 	 	 2	0	0				
Post, with v	vater	 	 ·	 2	3	0				
Metal		 	 	 0	2	0				
COAL		 	 	 0	1	0				
Into metal		 	 	 0	3	6				
							8	2	6	
		Total	 				8	2	6	

Water stands at 6 fathoms 2 feet from the top; it was sunk to and found to be a strong feeder.

No. 1,851.—SPRINGWELL.

TOWNSHIP OF USWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 55′ 25″, Long. 1° 33′ 17″.

Approximate surface level 455 feet above sea (Ordnance datum).

Section of Strata sunk through in the New Winning, A and B Pits, at Springwell.

Begun May 8th, 1821; finished February 24th, 1824.

							-
Fs. Ft. In. Fs. Ft. In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil 0 1 0 Broug	ht forward	0	3	11	39	2	4
Clay 1 3 7 Blue metal		5		10			
Strong brown post 11 0 8 COAL and		0	0	8			
	bana	_	U	O	0	0	_
(7) 411					6	2	5
Blue metal 1 4 6 Thill		0	1	3			
COAL 0 1 6 Grey metal	and thin						
23 1 3 girdles		0	2	4			
Scamy noct		ŏ	ĩ	_			
			-	4			
Scame collety post 3 1 8 Dide metal		1	1	4			
Right moto		0	0	3			
(:()A)		0	0	6			
Blue metal 1 4 5				0	2	1	0
Black metal 0 1 4				_	4	Т	U
COAL 0 0 6 Thill		0	2	2			
6 5 11 Thin post a		0	3	4			
F							
Thill 0 1 3 Scamy post		0	3	1			
Thill 0 2 4 White post		0	5	0			
Rlack motel		2	3	2			
Strong grey metal and COAL		0	0	5			
post girdles U 4 b		•	•	·	4	~	0
Blue metal stone 0 5 8				_	4	5	2
Black metal, with post Thill		0	1	10			
		ĭ	ī	6			
		_					
COAL 0 0 10 Post, called	Main Post	8	2	8			
3 0 8 Whin		0	5	4			
Post		1	0	0			
Thill 0 3 1 Blue metal		0	3	7			
			0				
Post, mixed with grey		0	U	9			
metal and whin 0 2 9 High Main	Seam-						
D1 1 2 0							
	Ft. In.						
Black calm 0 3 6 COAL,							
Post girdle 0 1 4 Black slat	e 0 11						
Black metal and iron-	1 4						
stone girdles 0 1 7 Post gird							
					•		
COAL 0 0 5 and blue							
4 1 0 tal	7 4						
Black slate 0 3 0 Brown me	etal 1 5						
Thill 0 2 1 COAL, h	ot-						
1							
	2 1	0	_	^			
girdles 0 3 8		2	3	2			
8		2			15	0 1	.0
Ft. In.	2 1	2		_	15	0 1	.0
COAL 1 8 Black slate	2 1	0	3	11	15	0 1	.0
COAL 1 8 Black slate COAL, coarse, Blue metal	2 1	0	3 4	11 1	15	0 1	.0
COAL 1 8 Black slate COAL, coarse, and slate 1 1 Black metal	2 1	0 0 0	3 4 1	11 1 5	15	0 1	.0
COAL 1 8 Black slate COAL, coarse, Blue metal	2 1	0 0 0 1	3 4	11 1 5 8	15	0 1	.0
COAL 1 8 COAL, coarse, and slate 1 1 ——————————————————————————————	2 1 metal	0 0 0	3 4 1	11 1 5	15	0 1	.0
COAL 1 8 COAL, coarse, and slate 1 1	2 1	0 0 0 1	3 4 1 1	11 1 5 8	15	0 1	.0
COAL 1 8 COAL, coarse, and slate 1 1	2 1	0 0 0 1 2	3 4 1 1 0	11 1 5 8 4	15	0 1	.0
COAL 1 8 COAL, coarse, and slate 1 1 Thill 0 1 5 White thill 0 2 6 Black slate Blue metal Black metal Strong blue Post girdles Black stone accoal	2 1	0 0 0 1 2	3 4 1 1 0	11 1 5 8 4	15	0 1	.0
COAL 1 8 COAL, coarse, and slate 1 1 Thill 0 1 5 White thill 0 2 6 Black slate Blue metal Black metal Strong blue Post girdles Black stone accoal	2 1	0 0 0 1 2	3 4 1 1 0	11 1 5 8 4	15	0 1	.0
COAL 1 8 COAL, coarse, and slate 1 1 Thill 0 1 5 White thill 0 2 6 Black slate Blue metal Black metal Strong blue Post girdles Black stone a coal Blue metal	metal	0 0 0 1 2 0 1	3 4 1 1 0 0 3	11 1 5 8 4 4 11			
COAL 1 8 COAL, coarse, and slate 1 1 Thill 0 1 5 White thill 0 2 6 Black slate Blue metal Black metal Strong blue Post girdles Black stone a coal Blue metal	2 1	0 0 0 1 2	3 4 1 1 0	11 1 5 8 4			.0

No. 1,851.—SPRINGWELL.—CONTINUED.

Fs. Ft. In. Fs. Ft		D1	Fs.	Ft.	In. Fs.	Ft.	
Brought forward 6 3 8 67 5	5 9	Brought forward Thill	0	2	94	0	3
Black metal 0 0 3		D11 (-1	0	5	1		
Metal Coal Seam—		Black metal	0	$\frac{2}{1}$	7		
Ft. In.	+	Blue metal Post	0	_	4		
COAL 0 6			1		7 3		
Band 0 6		Black metal	2	1	3		
COAL 0 3		Post, mixed with blue	0	0	0		
Band 0 5		metal	0	2	3		
COAL 2 0		Post	0	4	0		
0 3 8		Grey metal	0	2	5		
	17	Whin	0	0 1	10		
Thill 0 1 9	-	Grey metal, with post	0		~		
Strong blue metal and 10 1 11	*	girdles	2	3	5		
ironstone girdles [1 2 3		Blue metal	0	1	4		
Post girdle 0 2 10		Black metal	0	0	6		
Blue metal and iron-		Bensham or Maudlin					
stone girdles 0 2 8		Seam- Ft. In.					
Black metal 0 1 6		COAL, top 2 5					
COAL 0 0 10		Band and splint 0 7					
3	1 9	COAL 1 5					
Thill 0 3 3		Band 0 2					
Grey metal and post		COAL, bot-					
girdles 1 1 2		tom 0 6					
Post, mixed with whin 1 2 8			0	5	1		
Strong grey metal 0 2 9					— 10	4	8
COAL 0 0 10		Thill	0	2	1		
3	4 8	Scamy post girdles	1	1	5		
Thill 0 1 4		Blue metal	0	5 1			
Blue metal 0 5 5		COAL	0	1	2		
Black stone 0 0 4					- 2	4	6
Thill 0 0 9	•	Thill	0	3	2		
Post girdles, mixed	1	Scamy post girdles	1	3	0		
with blue metal 0 4 11		Black metal	0	1	7		
Whin 0 5 0		COAL	0	0	9		
Scamy post girdles,					_ 2	2	6
Scamy post girdles,		Scamy post girdles	0	5	6		
mixed with blue		Grey metal	1		8		
metal 1 2 6		COAL—6/4 Seam	0	1 1			
Blue stone, with iron-					_ 3	0	1
stone girdles 1 2 6		Thill	0		1		
Black metal 0 0 6		Scamy post girdles	1	0	1		
Yard Coal Seam-		Blue metal	1	1	8		
COAL 1 8		Five-Quarter or Low					
		Main Seam-					
		Ft. In					
J. L. Company		COAL 1 7					
Grey metal		Splint 0 4					
and post girdles 16 4	1	COAL 1 1					
dles 16 4 Blue metal 2 6			0	3	0		
					- 3	0	10
or band 0 7		Thill	0	2	9		
COAL 1 0		Grey metal and girdles	2		5		
Band 0 4		COAL	0	0	4		
COAL, bot-					- 3	1	6
tom 2 7		Black metal	0	0	7		
5 1 2		Scamy post girdles,					
	4 6	mixed with whin	1	3	4		
Carried forward 94	0 3	Carried forward	1	3]	11 119	2	4

^{*} Approximate sea level (Ordnance datum).

No. 1,851.—SPRINGWELL.—CONTINUED.

Brought forward	Fs. Ft. In. Fs. Ft. In. 1 3 11 119 2 4	Fs. Ft. In. Fs. Ft. In. Brought forward 5 4 4 119 2 4
Whin, mixed with post Grey metal and post	0 3 1	Hutton or Low Main
girdles Post, mixed with whin	1 1 4	Seam Ft. In. COAL, fine 4 0
Grey metal and girdles Blue metal stone	1 2 3	COAL, coarse 0 11 0 4 11
Black metal stone		6 3 3
Carried forward	5 4 4119 2 4	Total 125 5 7

No. 1,852.—SPROUSTON.

TOWNSHIP OF

Sheet of Ordnance Map. Lat.

, Long.

Boriny in the East Part of Sprouston Quarry.

D-1 6				Fs. Ft.	In.	Duought forward		Ft.	In.	Fs.	Ft.	In.
Bad freestone	_		0			Brought forward	-		0			
Dent		4	0			Hard stone		4	0			
Whin	_	1	_			Blue freestone						
Blue dent		3				Hard whin	0					
Hard limestone	0	1	0			Black dent	0	5	0			
Strong brown clay	0	4	0			Whin and dent alter-						
Blue dent	1	3	0			nating the strata,						
Very hard whin	0	1	6			about 3 or 4 inches						
	1		0			thick	2	0	0			
						Hard freestone	2	1	0			
Freestone	^	2	Õ			Stone, extraordinarily						
Clay, mixed with dark	-	_	~			hard	1	3	0			
blue dent	_	4	0			Left off in very hard						
	0		6			brown stone, and,						
733 0 .	_		ő			from its weight,						
	_	4	U	1								
Strong blue dent,		_	_			supposed to contain	0	4.	Λ			
mixed with iron ore		0				ironstone	U	**		21	0	À
Strong black dent	1	0	0							21	U	U
	-											
Carried forward	11	2	0			Total		• • •	_	21	0	0
						1			-			

No. 1,853.—STANHOPEBURN.

TOWNSHIP OF

Sheet of Ordnance Map. Lat.

, Long.

Section and Names of the Posts of the Great Limestone at Lane Head Quarry, Stanhopeburn.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs. I	Pt.	In.				In.			
op or stud post	0	1	4				Brought forward	0	5	6	3	5	3
Black bed, bituminous							Five thin posts, 6 in.,						
shale	0	0	5				12 in., 15 in., 16 in.,						
hick crotley post	0	1	0				and 17 in	0					
Black bed, bituminous							Bad lifting post			0			
shale	0	1	0				Thin post	0	0	6			
Bad breaking post	0	3	5				Shining Eley	0	3	0			
our black and grey							Cockle shell post	0	1	2			
beds, bituminous							Two thin posts, 10 in.						
shale	0	2	9				and 13 in	0	1	11			
Hard post	0	2	4				Blackbed post	0	2	5			
Black bed, bituminous		_	-				Four thin posts, 10 in.,						
shale	0	2	6				10 in., 11 in., and						
Coarse post			6				16 in	0	3	11			
Black bed, bituminous	·	_	Ü				Dun Kit post	0	3	7			
shale	0	1	2				Dun Kits bastard post	0	3	0			
snate	O		-	_		_	Three thin posts, 12 in.,						
				3	0	5	15 in, and 13 in	0	3	4			
Half-yard post	0	1	6				Dun Jin, with a thin	Ŭ		_			
Thin crotley post	_						post in the middle	0	4	6			
Three thin posts, 11 in.,		_					Stiff Dick post, with	~	-	Ŭ			
10 in., and 9 in		2	6				one bed	0	4	8			
Black bed								0	-1	O			
Diack bed	_			0	4	10	Whaley post, with two beds	0	4	9			
			_	0	-30	10		- 1		11			
Three thin posts		1					Yard post			10			
Coarse post		1	6				Jack or Newcastle post	_		8			
Toby Gills post	0	2	6				Bottom post	0	1	0	10		
									-		10	0	
0 110 1	_	_		-	1		m 4.1				10	=	
Carried forward	0	5	6	3	5	3	Total				19	0	_

No. 1,854.—STANLEY.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 25 of Ordnance Map. Lat.

, Long.

Boring for Water at Stanley. 'May 5th, 1843.

Brown post	Fs. Ft. 7 0 2 5	0	Ft.	In.	Brought forward Brown post (day water here)	9		3	Fs.	Ft.	In.
Carried forward	9 5	3			Carried forward	10	0	0			

No. 1,854.—STANLEY.—CONTINUED.

Brought forward 10 0 0 Grey metal 1 0 0 Sunk the well and found no water Bored further:— Grey metal stone, with post girdles 3 5 4 COAL 0 1 6	Brought forward Grey metal stone, with hard girdles 3 2 2 Brown post 0 3 0 In grey metal 3 0 0 (No water.
Carried forward 15 0 10	Total <u>22 0 0</u>

No. 1,855.—STANLEY.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 26 of Ordnance Map. Lat.

, Long.

An Account of the Boring in Stanley Royalty on the right hand side of the Road leading to the Farm House, about yards from the Cottage on the East boundary.

December 1st, 1853.

Approximate surface level

feet above sea (Ordnance datum).

	77	874	T	77.	The	T	1	77	77.	-	-	77.	_
Stony clay		1 1		Fs.	Ft.	In.	Brought forward		Ft.		Fs. 10		In. 11
	3									9	10	4	11
		2											
White post							COAL, foul	U	Т	0			10
Dark grey metal	0	1						_	-		3	4	10
COAL	0	2	7		_		Grey metal		3				
				8	2	9	The state of the s	1	0	3			
Grey metal	0	1	3				White post, mixed						
COAL	0	0	10				with whin	0	5	0			
				0	2	1	White post	1	0	0			
Grey metal	0	5	5				Grey metal `	0	3	3			
Dark metal	0	4	0					* 0	3	5			
COAL	0	Ō	8					-			4	3	5
				1	4	1	Into grey metal				3	3	9
Grey metal	0	3	0		-	1	into grey mean				0	0	v
Grey post and metal	U	o	U										
	- 1	4)my										
partings	1	4	7										
0 110 1		-	-	10		7.7	m . 1				00	0	11
Carried forward	2	1	7	10	- 2	11	Total				ZZ	Z	11

^{*} An error, by reason of the man in charge of the hole making a mistake in the getting of the coal, which is seen in next account.

No. 1,856.—STANLEY.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 26 of Ordnance Map. Lat.

, Long.

Account of the Second Hole in the Stanley Estate, by the Burn side, about 280 yards
North-west from the First. January 30th, 1854.

Approximate surface level

feet above sea (Ordnance datum).

Soil and ramble Grey metal	Fs. Ft. In. Fs. Ft. In. 0 5 6 0 2 0 0 2 7	Brought forward Bored further, Aug. 7th:—	Fs. Ft. I	n. Fs. Ft. In. 0 11 1 0
Metal	0 0 10	Grey metal stone, with post girdles		4
Grey metal stone	0 1 8	Black metal Grey metal stone		•
COAL	0 1 6	White and grey post Grey metal stone, with post girdles		0
Grey metal Grey post, with metal partings	2 5 0	Black stone Grey metal stone and		3 4 10
Brown metal stone	3 2 6	post girdles White and grey post Grey metal		0
Drown metal stone		Splint 0 2	0 3	8
		Grey metal		- 5 5 7 0 0 3
Carried forward	0 1 10 11 1 0	Total	•••	27 4 10

No. 1,857.—STANLEY.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 26 of Ordnance Map. Lat.

, Long.

Account of Boring the Third Hole in Stanley Estate, opposite the Farm House in the Allotment Land. April 24th, 1854.

Approximate surface level

feet above sea (Ordnance datum).

Brown stony clay Grey metal stone, with				Fs.	Ft.	In.	Brought forward 3 5	
post girdles	2	$0 \\ 2$	6 2				Grey metal stone, with girdles 6 5 0 COAL 0 0 3	
				3	5	8	6 5	3
Carried forv	var	d		3	5	8	Carried forward 10 4	11

No. 1,857.—STANLEY.—CONTINUED.

Brought forward 10 4 11	Brought forward Fs. Ft. In. Fs. Ft. In. Grey metal 0 5 6
Grey metal, with girdles 2 1 1	
Ft. In.	White post (set away the water) 0 3 5
COAL 2 10	
Dark metal 0 6	Grey metal stone 4 1 5
COAL 0 8	COAL 0 1 3
0 4 0	6 0 2
2 5 1	Grey metal stone 2 1 0
Dark grey metal, with	COAL, foul 0 0 4
1 11	2 1 4
	Grey metal stone, with
COAL 0 1 9 4 0 7	post girdles 2 0 6
<u> </u>	Black stone 0 1 8
Grey metal 1 0 0	COAL 0 0 3
White post, mixed	2 2 5
with whin 0 5 0	Dark metal stone 1 4 7
White post 1 3 0	White and grey post 4 1 0
Grey metal stone 0 3 5	Grey metal 0 1 0
COAL 0 2 6	
4 1 11	Grey metal 0 0 5
	6 4 8
0 114 1 00 0	m
Carried forward 22 0 6	Total 39 3 1

No. 1,858.—STANLEY.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 26 of Ordnauce Map. Lat. , Long.

Account of Strata bored through at Stanley, in the Long Hole.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft	In.
Blue clay 10 4 0	Brought forward 0 5 3 21 0	9
Grey metal 1 1 0	Grey post 0 1 8	
Black stone and coal 0 2 0	Black stone 0 0 6	
Grey metal, with post	Grey post, with water 0 5 6	
girdles 0 3 0	Grey metal stone 1 1 6	
Grey post 0 4 9	Busty Seam— Ft. In.	
Grey metal · 0 4 0	COAL 2 8	
Black stone and coal 0 2 10	Band 2 2	
Grey metal 0 1 6	COAL 0 4	
Grey post 1 3 4	- 0 5 2	
Brown post 0 5 6	4 1	7
Grey metal stone 1 2 3	Dark grey metal, with	
White post, with water 2 2 4	post girdles 2 2 0	
COAL 0 0 3	White post, set away	
0 0 3	water 1 0 2	
Grey metal, with coal	White post 1 1 2	
pipes 0 5 3		
P. P. S U 5 5	Grey post 1 3 0	
Carried forward 0 5 · 3 21 0 9	Carried forward 6 0 4 25 2	4
Carried forward 0 5 · 3 21 0 9	Carried forward 0 0 4 20 2	-

No. 1,858.—STANLEY.—CONTINUED.

					Ft.		Fs. Ft. In. Fs. Ft. In.
Brought forward			4	25	2	4	Brought forward 2 1 4 51 4 8
Dark grey metal	0	2	10				Whin 0 1 0
COAL, hard and							Grey post and water 0 5 3
middling — Brock-							Whin 0 0 4
well Seam	0	4	1				Grey post 0 1 8
				7	1	3	White post, with water 1 0 8
Dark grey metal	1	0	0				Grey post 0 3 6
White post and water	0	3	5				Dark grey metal and
Grey metal stone	0	2	4				post girdles 1 5 7
White post and water	1	1	9				COAL 0 0 4
Grey post	î	ō	1				7 1 8
White post and water	0	5	8				Grey post and water 1 0 9
	0	4	6				Dark grey metal 0 1 8
Grey metal stone		2	3				1771
White post	0	5	6				
Grey post, with water	0	Ð	O				The state of the s
Grey metal, with post	-	_	_				Dark grey metal and
girdles	1	5	5				post girdles 3 1 6
Black stone	0		. 11				White post 0 1 2
Grey metal	0	2	0				Whin 0 0 2
COAL	0	0	4				Grey post 0 5 2
	-			9	4	2	Grey metal 1 3 6
Grey metal	0	2	8				Dark grey metal stone 0 3 0
Grey post, with water	0	4	9				Grey metal 1 3 6
Whin	0	0	4				Black stone 0 0 4
Dark grey metal, with							Grey post, with metal
water	2	3	3				partings 0 5 9
Black stone, mixed							Strong dark greymetal 0 4 0
with coal	0	0	7				Grey post, with metal
Grey metal	ĭ						partings 0 4 9
Grey post		ō	_				Dark grey metal 0 3 0
Grey metal thill	0						Strong post girdles 0 0 10
	0	3					Black stone, mixed
Grey post, with water	2	2					100
White post, with water		1					
COAL	0	1	8	0		11	
G .	-	-	_	9	2	11	Care poor in the care
Grey post	1	1	0				Strong dark grey me-
White post, with metal				e			tal 0 1 9
partings and water	1	. 0	4				15 1 4
		_		_			
Carried forward	2	1	4	51	4	8	Total 74 1 8

No. 1,859.—STANLEY.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 26 of Ordnance Map. Lat: 54° 44′ 43", Long. 1° 44′ 3".

Strata passed through in sinking the Josephine Pit, Stanley Colliery, a quarter of a mile West of Woolley Farm House. August, 1857.

Yellow clay	Fs. Ft. In. Fs. Ft. In. Brought forward 4 0 0 Dark brown metal 2 0 0 Post girdle 0 2 0
Carried forward 4 0 0	Carried forward 6' 2 0

No. 1,859.—STANLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	6	2	0				Brought forward 3 4 7 16 4 7
Black metal	0	1	0				Grey metal 0 3 6
COAL	0	0	3			_	COAL—Busty Seam 0 4 0
721 () (1)	-			6	3	3	5 0 1
Blue metal, with post	3	2	0				Dark grey metal 0 4 0
girdles		4	U				White post 1 2 4 Blue metal 1 1 7
COAL 0 3							COAL 1 1 7
Thill 0 4							Blue metal 1 5 3
COAL 0 5							COAL 0 0 4
	0	1	0				Grey thill 0 4 0
				3	3	0	Grey metal 0 4 10
Blue metal	0	3	0				Whin girdle 0 1 2
Post girdles and metal	0	4	4				White post 0 1 7
Fard Seam— Ft. In.							Grey post 3 0 3
Band 0 1							White post (1,500 gal-
COAL 1 10							lons of water per hour) 2 4 3
Band 0 9							Dark grey post 2 4 3
COAL 0 8							Black metal 0 0 8
	0	4	4				
				1	5	8	Brockwell Seam—
Dark metal	0	5	1				Ft. In.
COAL (300 gallons	^	_					COAL 3 1
of water per hour)	0	0	6	0	_	-	Splint 0 5
Thill stone	0	3	0	0	5	7	0 3 6
Grey metal, with post	U	9	U				Sump:— 14 5 3
girdles post	3	0	3				Grey thill 0 2 1
COAL — Ballarat			•				White post 0 1 0
Seam	. 0	1	10				Grey metal 0 5 7
				3	5	1	Grey metal and post 1 0 6
Grey metal	1	2	3				Blue metal 0 2 0
White and grey post							White post 0 3 6
(crib laid for wal-	0	0	4				Whin girdle 0 2 0
ling)	2	2	4				3 4 8
Carried forward	3	4	7	16	4	7	Total *40 2 7
ourred for ward	0		1	10	*	•	10tal *40 2 7

^{*} Approximate sea level $492\frac{1}{2}$ feet below this.

No. 1,860.—STANLEY.

TOWNSHIP OF STANLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 52′ 17", Long. 1° 40′ 5".

Account of Strata sunk through in the 7th Pit, East Stanley Colliery, from the Surface to the Hutton Seam. Began July 8th, 1863.

Clay and shivery brown slate 2 1 COAL, coarse, with bands 0 1	2	Brought forward Tender shivery post 4 3 0 COAL, very Ft. In. coarse 1 0 Tender blue stone 0 4 COAL, coarse 1 0 ———————————————————————————————————	Fs. Ft. In. 2 2 6
Carried forward	2 2 6	Carried forward	7 1 10

No. 1,860.—STANLEY.—CONTINUED.

	Fa	. Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In
Brought forward				7	1	10	Brought forward 1 3 1 55 4 7
Thill stone		3	0				Blue metal $0 0 2\frac{1}{3}$
Tender blue stone,	-						White post 0 2 11
with iron balls		0	0				Grey metal 1 3 5
Grey metal stone, with				8			Very strong white post 0 2 0
post girdles		0	0				Grey metal 0 1 2
Blue metal stone		2	0				Black stone 0 1 8
COAL, very coarse	0	2	6				Grey metal 0 4 0
				10	1	6	Strong grey post 0 0 9
0 111		0			-		Grey metal stone, with
Grey metal stone	2	0	0				ironstone balls 1 1 0
Very tender blue metal	1	3	0				Blue metal 0 4 6
Grey metal	0	3	0				Strong grey post 0 2 0
Blue metal	1	1	0				Black stone, with post
COAL	0	1	0				girdles 1 0 4
	_			5	2	0	White post, mixed with
Thill stone	0	3	0				whin in places 16 0 0
Very strong grey me-	0	0	J				
tal	8	2	0				Maudlin Seam—
Very strong grey post	0	2	6				Ft. In.
COAL — Shield Row		~	U				COAL 0 11
Seam	0	4	2				Strong grey
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		-			_	0	post 0 5
				9	5	8	COAL, coarse,
Tender thill stone	0	4	6				mixed with
COAL	0	0	2				splint 1 5
Thill stone	0	0	10				Strong white
Grey metal	0	1	9				post, mixed
Strong post, with blue							with whin 2 0
partings and whin							COAL 1 3
stone	2	5	0				1 0 0
Grey metal	2	1	6				
COAL	0	0	10				$$ 25 3 $0\frac{1}{2}$
				6	2	7	Black slate 0 0 11
(III) 133 4				0	_	•	Blue metal, with post
Thill stone	0	3	0				girdles and mixed
Grey metal, with iron-	_	_					with whin 4 1 0
stone balls	5	0	0				Blue metal 0 4 6
Very tender black		_					Ditto motal o F
stone	0	3	0				Low Main Seam-
COAL—5/4 Seam	0	4	0	0	,	0	Ft. In.
		-	_	6	4	0	COAL
Thill stone	0	1	6				Black band $0  ext{ }  extstyle{1}  extstyl$
Very strong white post	0	2	2				COAL 1 23/4
Grey metal	1	5	0				
VV IIIII SUOIIE	0	3	6				$ 0 4 4\frac{1}{2}$
Strong grey metal	2	3	10		,		5 4 9 <del>\</del>
Strong white post,							Grey metal stone, with
	0	3	0				
Strong blue metal	2	5	3				$\begin{array}{cccccccccccccccccccccccccccccccccccc$
COAL — High Main							Blue metal 0 4 4
Seam	0	4	9				
			_	9	5	0	White post 0 1 6 Blue metal, with post
Thill stone	0	2	8				girdles 0 3 10
Very strong white post	0	2	4				Strong white post 0 2 6
	0	1 1					Blue metal 0 4 0
White post		0 1					Ditto incom o r
Blue metal	ŏ		4			•	4
White post	0	1	0				
		-				_	
Carried forward	1	3	1 5	55	4	7	Carried forward 4 5 6 87 0 5
	_	-		-	-	1	

### No. 1,860.—STANLEY.—CONTINUED.

Fs. Ft. In. Fs. Ft. In. Brought forward 4 5 6 87 0 5	Brought forward Fs. Ft. In. Fs. Ft. In. 92 5 5
Hutton Seam— Ft. In.	Seggar clay 0 2 2 Grey metal, with iron-
COAL, good 3 10 COAL, coarse 0 6 Black slate 1 2	stone balls 1 2 2
— 0 5 6 — 5 5 0	
Carried forward 92 5 5	Total *94 3 9

^{*} Approximate sea level 102 feet below this.

# No. 1,861.—STANNINGTON.

TOWNSHIP OF STANNINGTON, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat.

, Long.

Account of the Boring in Mr. Errington's South Hird Hill Field, on the Stannington Estate. January 24th, 1839.

G *1				Fs.	Ft.	In.	1				Fs.	Ft.	In.	Fs.		
Soil		0	9					Brought						23	2	4
Strong brown clay	1	3	0					Grey metal a	and	post						
Loamy clay, mixed												0				
with sand	1		9					COAL .			0	1	4			
Rough strong gravel	1	3	0											2	1	10
Strong brown stony								Grey metal st	tone	and						
gravelly clay	4	1	6					post girdles			1	1	7			
Sand	0	0	11					White post, wi	ith v	vater	2	0	4			
Brown stony clay	3	2	1				0	COAL .			0	1	1			
Rambly post	0	4	0											3	3	0
Strong brown post	3	4 4 2	2					Grey metal .			1 0	2	0			
Dark blue metal	0	2	6 8					COAL .			ō	1	2			
Grey post		0	8						••	•••			_	1	3	2
Dark metal	ō	ĭ	0					Grev metal			0	5	0	_	•	_
Grey metal stone	1	2	6					Dark blue me				3				
Strong white post,	-		U						· ·		ő	0	6			
with rusty partings	1	2	0					OOAL	• •				_	1	2	8
Gullety brown post	1		0											_	-	O
	T	0	6					Grey metal st	one	and						
COAL	U	U	0					post girdles			1	4	1			
			_	23	2	4		COAL .			0	0	7			
														1	4	8
																_
Carried for	uro m	d		23	2	4		Carried f	orw	ord .				33	5	8
Sairied for	war	u		40	4	4	•	Carried	OI. W	aru					0	0
														7		

# No. 1,861.—STANNINGTON.—CONTINUED.

Brought forward			1. Fs.		In. 8	Brought forward 5 3 3 44 5 5
Grey metal stone White post	9	5 9 7	? 7			COAL, foul 0 5 COAL 2 2
COAL 1 6 Grey metal 0 6						0 2 7 5 5 10
Grey metal 0 6 COAL 0 5	0	2 8	ξ.			Grey metal 0 2 0
			- 10	5	9	Grey metal stone and iron girdles 2 3 3
Grey metal White post	0	1 8 3 6	3			Strong white post, with water 0 4 0
Grey metal stone and post girdles Grey metal						Grey post 1 0 6 Grey metal stone 1 0 0 COAL 0 0 6
Grey metal	0	5 8	3			5 4 3
_						Grey metal 0 0 4
Carried forward	5	3 3	3 44	5	5	Total <u>56 3 10</u>

## No. 1,862.—STANNINGTON.

TOWNSHIP OF STANNINGTON, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. , Long.

Section of Borehole at Briery Hill, near Stannington. December 10th, 1872.

Soil				Ft. In.	Brought forward 7 2 5
	•	-	•		
Clay, with boulder	-		4		Hard white post 0 3 5
stones	1-	3	1	•	Brown post 0 0 5
Gravel (freestone)	0	1	0		COAL 0 1 9
Shivery brown post	0	1	14		8 2 0
Gravel (freestone)	0	2	8		Good seggar 0 1 6
Whinstone gravel	0	1	01		Posty seggar $0.59\frac{3}{4}$
Blue clay, with very	-		**		Grey metal and post
Blue clay, with very	0	0	11	•	
small scares	2	2			girdles 0 3 103
Hard freestone post	0	2	2		COAL 0 0 6
Brown post and metal					$$ 1 5 $8\frac{1}{3}$
girdles	0	2	4		*
D	1	1	ō		Good seggar 0 0 8
Brown post	1	9	61		Seggar, with ironstone
Hard white post	U	Z	23		balls 0 2 334
Brown post	0	0	81/2		
					Brown post 0 2 93
	-				C 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Carried forward	7	2	9		Carried forward $6   5   9\frac{1}{2}   10   1   8\frac{1}{2}$

### No. 1,862.—STANNINGTON.—CONTINUED.

Fs. Ft. In. Fs. Ft. In. Brought forward 0 5 9\frac{1}{2} 10 1 8\frac{1}{2}	Fs. Ft. In. Fs. Ft. In.
Brought forward 0 5 9\ 10 1 8\ \frac{1}{3}	
	Brought forward 18 4 2½ 10 1 8½
Yellow freestone 1 4 $5\frac{1}{4}$	Mild white post 2 1 6
Freestone post, with	Mild white post, with
$coal\ pipes \dots \qquad \dots \qquad 0 \qquad 5 \qquad 1\frac{1}{4}$ Hard freestone post $\dots \qquad 1 \qquad 4 \qquad 0\frac{3}{4}$	scares of coal 0 3 2
Hard freestone post 1 4 $0\frac{3}{4}$	Grey post, mixed with
Brown metal and post	white post 0 4 2
band $0 2 0\frac{3}{4}$	White post and coal
Blue metal $0 0 9\frac{1}{3}$	pipes 0 2 0
Grev metal and scares	Blue metal 0 2 6
of post 0 2 $6\frac{1}{4}$	Grey metal 0 1 0
Post hands 0 2 23	Dark blue metal 0 1 1
Brown post girdles $0   1   9\frac{1}{2}$	
Brown post girdles $0$ 1 $9\frac{1}{2}$ Grey metal $0$ 1 $0\frac{1}{2}$ Hard brown post 5 4 9	COAL O 6
Hard brown post 5 4 9	
Sand bed 0 0 8	Band 0 1
Mild brown post $0   3   10\frac{1}{4}$	COAL, tender
Blue metal and post	and brassy 0 11
band 0 2 0	Band $0  1  1  4$
White post $0   1   6\frac{1}{4}$	COAL 2 11
Yellow freestone post 0 3 0	0 4 6 <u>1</u>
Grey post 2 3 11	
Mild brown post 1 1 5	$24 \ 0 \ 1\frac{3}{4}$
Grey post and coal	Into thill stone 0 2 0
0.10	
pipes 0 1 3	
Carried forward 18 4 $2\frac{1}{2}$ 10 1 $8\frac{1}{2}$	Total 34 3 10 ¹ / ₄

# No. 1,863.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat.

, Long.

A Borehole in Stella Grand Lease Colliery, near Marshall's, at the bottom of a Pit called the Ash Tree Pit, wrought in the High Main Coal. February, 1692.

Strong grey Grey stone White post		Fs. Ft. In. Fs 2 1 6 4 0 0 1 1 6	. Ft. In.	Brough Metal	ht forward  Ft. In.		In. Fs. 14 4	
Blue metal White post		0 1 6 5 5 3 0 3 6	1 3	Metal COAL	1 6 0 9 3 9	1 0	0	
	~ 10			Grey thill			$-\frac{1}{0}$	0 4 0 9
	Carried for	ward 14	1 3		Total	•••	15	2 4

### No. 1,864.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat. , Long.

Borehole in Stella, about 90 yards South-east of and in the same pasture as the First Hole, at the foot of Boggle Hole. January 2nd, 1783.

Approximate surface level feet above sea (Ordnance datum).

Strong clay	Fs. 2	Ft.	In.	Fs.	Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. In. 10
	1		0				Grey thill 0 0 .9
Stony clay and sand							
	^	3	0				Grey stone post 5 0 0 Grey stone 1 0 0
Grey stone			10				
COAL	0	U	10	244	~		ore, and write poster = = =
				7	5	4	Waste and fallen rub-
Thill	0	0	6				bish 1 2 0
Grey stone	0	3	0				8 4 1
Black stone	0	3	0				Grey thill 0 1 0
Grey stone, with p	ost						Grey stone, with post
girdle	0	4	2				girdle 2 5 0
TFt.	In.						COAL 0 0 8
	9						3 0
	1						Grey thill 0 0 6
	10						Grey post girdle 3 0 0
0 11 0	1						Left off in white post 0 4 0
0011	4						^
COAL 0		0	-				3 4
	— 0	3	1	_	-	_	
			-	2	1	9	
Carrie	d forwa	rd		10	1	1	Total 25 5

### No. 1,865.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat. , Long.

Boring in East Working of the Oak Tree Pit, near the Gateway in Mr. Longridge's Ground, Stella Grand Lease. December 3rd, 1785.

In grey metal stone Fs. Ft. In. Fs. Ft. In. 0 5 0 0 1 2 1 0 2	Brought forward White metal stone 1 0 0 Brown and white post 5 1 1 COAL 0 2 9	Fs. Ft. In. 1 0 2
Carried forward 1 0 2	Carried forward	7 4 0

# No. 1,865.—STELLA AND TOWNELEY.—CONTINUED.

Brought forward Soft grey metal stone Black stone Post girdle Grey metal stone	$\begin{array}{ccc} 0 & 1 \\ 0 & 2 \\ 0 & 1 \end{array}$	6 6 4	Brought forward Whin Metal stone COAL	0 0 8 2 2 0
Carried forward			Total	11 5 0

### No. 1,866.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 5 of Ordnance Map. Lat.  $54^{\circ}$  57' 9'', Long.  $1^{\circ}$  47' 1''.

Strata sunk through in the New Winning or A Pit, Stella Grand Lease Colliery, in Heath Field. October 7th, 1795.

Fs. Ft. In. Fs. Ft. In.	
Outset 0 2 0	Drought forward
Bluish clay, with bro-	Thill 0 1 6
ken post 2 1 4	Grey post 1 0 0
Platy brownish post 1 1 6	COAL 0 0 4
Whin 0 1 8	Blue metal stone 0 4 2
Brown post 3 1 6	COAL, mixed with
White post 2 1 0	blue stone—Cannel
Blue cash parting 0 1 0	· Coal 0 3 6
Post girdles 0 1 0	
Blue metal 3 0 1 6	2 3
COAL—Grand Lease	Blue metal stone 0 1 6
Main Coal 1 0 0	
10 4 6	0/2 800000 111
m 111	0 5
	the same of the sa
Blue metal stone and	Thill 0 1 8
	Blue metal stone and
whin girdles 5 2 0 Cash parting 0 1 0	some thick coal
	pipes 0 1 4
Blue metal stone, with	Black metal stone,
girdles 0 3 6	with coal 0 1 9
Brown post, with coal	Blue metal stone, with
$pipes$ 2 5 $4\frac{1}{2}$	catheads 0 2 5
Crow Coal—	COAL 0 0 7
COAL, top, Ft. In.	
good $1$ $4\frac{1}{2}$	1 1 :
Band 0 4	
COAL 0 2	Thill 0 0 5
Band, mixed	Blue metal stone, with
with coal 0 $5\frac{1}{5}$	catheads 0 3 1
COAL, bot-	Grey scamy post, with
tom, tender 0 61	whin 3 1 0
— 0 2 10 <del>1</del>	111111111111111111111111111111111111111
${}$ 10 3 5	
10 3 8	
Carried forward 21 4 8	Carried forward 3 4 6 26 2
Carried forward 21 4 6	)   Omitted for mand of 2 of 20 2

# No. 1,866.—STELLA AND TOWNELEY.—CONTINUED.

Brought forward	Fs. 3	4	1n.	Fs. 26	Ft. 2	In. 8	Brought forward				Fs. 40	Ft. 2	Ir (
Ruler Coal— Ft. In.							Thill Grey stone	0		8			
COAL 0 6							Grey stone	0	4	9			
Black band 0 2							Blue metal stone, with						
COAL 1 2							catheads	0	3	11			
							COAL, very coarse	0	0	10			
	0	1	10								2	0	
				4	0	4					4	U	
				_	•	_	Black stone, scared						
	_	0					with coal	0	0	6			
hill	0	0	9				Thill	0		10			
Blue metal stone, with		_					Thill Scamy grey post	0	4	0			
catheads	0	5	0				Branny grey post	0	_	- 7			
ery scamy white							Brown post, with whin	Ņ	2	4			
post Parting	0	1	4				Dun whin	0	1	1			
Parting	0	0	1				Strong brown post,	_	_	_			
Vhite post, very scamy	0	1	0				with a parting	0	1	0			
Parting	0	0	1				Brown post, with whin,						
rev post	0	0	8				very hard	0	0	8			
Parting Farting	0	0	3				Grey metal stone	0	1	6			
Brown post, with wa-							Brown post girdles						
ter at bottom	0	0	11				and a parting	0	2	1			
Blackish metal stone,							Blue metal stone and						
*17 1	0	0	4				some catheads	1	0	3			
Seamy white post	ŏ	ĭ	1										
	ő	0	4				Barlow Field Coal						
Blackish metal stone	U	U	40				Seam— Ft. In. COAL, splint 0 10						
Brown post girdle,	0	0	c				COAL, splint 0 10						
with water	0	0	6				Band 0 1						
Brown post, with more	_	_					COAL, tender 1 8						
water (wedged it off)	0	2	6				Band 0 1 COAL 0 5						
Brown post, with whin	0	5	6				COAL 0 5						
Brown post, very close								0	9	1			
and hard	0	3	0					0	3	1			
Parting, with water											- 3	5	
(wedged off)	0	0	1										
rev scamy post	0	3	3				Thill			10			
Parting	0	0	1				Blue metal stone	0	5	11			
rey scamy post, with							COAL	0	0	9			
strong brown girdles	0	1	8				Thill	0	0	7			
		_	Ŭ				Blue metal stone, with						
scamy parting and water (wedged off)	0	0	6				catheads	0	4	10			
	J	0	0					_	0				
trey scamy post and	0	5	7				Thill		1				
strong girdles	U	O	-				Brown post	0					
Scamy white post,							Brown post Grey post	0	5	10			
with water (wedged	0	^	0				White post, dun at	,	0	2.0			
off) Brown post Parting	0	0	9				bottom	0	2	4			
srown post	0	3					Parting	0	ő	2			
		0	1				Parting	U	U	2			
Brown post, extremely							White post, with whin	9	1	O			
hard	0	5	2				at top	3	1	2			
rey post, very full of							Black stone, with par-	0	0				
coal pipes and black							ticles of post	0	0	3			
scares	0	1	9				Tilly Coal— Ft. In.						
Black metal, scared							COAL 1 0						
metal, stared	1	4	4				Splint 0 3						
	ō	2	3				COAL 0 11						
with coal							0 II			_			
with coal		U						0	2	2			
with coal	0	0	•		~	0		0	4	4			
with coal				9	5	0		_			7	3	
with coal				9	5	0		_	_	_	7	3	

# No. 1,866.—STELLA AND TOWNELEY.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs. 53			Brought forward 2 5 4 63 5 5
Thill	0	2	10	00			Blue metal stone, black
Blue metal stone and	0	1	10				at bottom 0 5 6
white post girdles,	U	1	10				Three-Quarter Seam—
with partings	0	2	1				Ft. In
Brown post	0	$\frac{1}{0}$	5				COAL, top 1 6
Blue metal stone COAL — Hand Coal	0	0	5 2				Band $0   0\frac{1}{2}$
OOAL - Hana coat			_	1	2	9	tom 0 11½
701.211	0	2	0	-	_	e e	
Thill Blue metal stone, with	U	2	U				
catheads	0	2	0				4 1 4
Grey post, mixed with	0	0					White post 0 2 4
whin Blue metal stone	0	$\frac{3}{0}$	47				Brownish post 0 2 3 Whin 0 1 3
Grey and white post	-	Ü	•				Grey post 0 1 3
girdle and partings	1	5	5				Blue metal stone, with
Grey post, with whin	$\frac{1}{0}$	0	0				inch of splint at
Blue metal stone	U	Э	7				bottom 0 5 1   Thill 0 0 4
Stone Coal— Ft. In. COAL, strong 0 2							Brown post 0 2 10
COAL, tender 0 6							Blue metal stone, with
COAL, scary 1 $4\frac{1}{2}$							catheads 0 3 10
COAL, tender $0  ext{ } 4\frac{1}{2}$							Thill 0 0 2
	0	2	5				Grey metal stone 0 3 1
		_	_	5	1	4	White post, with whin
Thill	0	3	0				COAL 4 0 10 0 0 8
Grey post, with whin	1	2	4				
Blue metal stone Grey post, with whin	0	$\frac{1}{2}$	$\frac{6}{4}$				8.1 7
Blue metal stone	0	2	î				Blue metal stone 0 0 10
COAL—5/4 Seam	0	3	4				Brockwell Seam-
			_	3	2	7	Ft. In,
Thill	0	0	$0\frac{1}{2}$				COAL 0 1
Brown post	0	1	$7\frac{7}{3}$				Black metal stone or jet 0 3
Grey post, with cat- heads	0	1	8				COAL 2 11
Grey post girdles,		•					0 3 3
with black scares	0	1	0				0 4 1
Dun post	0	2	3				Grey post girdles 0 0 5
Blue grey metal stone Dun post	0 .	1	9				COAL 0 0 3
Cash parting	0	0	6				Left off in dun post 0 2 4
Dun post	0	1	3				0 3 0
Black metal stone	0	0	2 3				*
Thill, top mixed with	J	J	U				
coal	0	1	3				
Dun whin girdle Black metal stone	0	$\frac{0}{2}$	5 7				
Blue metal stone	0	0 1					•
Whin girdle	ő	0	6				
			_				
Carried forward	2	5	4	63	5	5	Total <u>*77 3 5</u>

^{*} Approximate sea level  $51\frac{1}{2}$  feet below this.

# No. 1,867.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 5 of Ordnance Map. Lat.  $54^{\circ}$  57' 18'', Long.  $1^{\circ}$  46' 36''.

Account of Strata sunk through at B Pit, Grand Lease Colliery. 1805.

		Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. I	n.
Walling	to bottom of							Brought forward 3 4 0 40 4	4
Grand	Lease Main							Barlow Field or Towne-	
~ 7		10	2	6					
	hite post	9	1	4.				ley Main Seam—	
	put up in at		-	-				Ft. In.	
		2	3	5				COAL, splint 0 10	
the Fiv	e-Quarter		o	U				Black stone $0   2\frac{1}{2}$	
Strong gi	rdle and blue			-				COAL 2 0	
metal s		0	3	5				Swad 0 1½	
COAL		0	U	11		_	_	COAL 0 101	
					22	5	7	$\frac{}{}$ 0 4 $0\frac{1}{2}$	
Thill		0	_	10				4 2 (	1
Blue met	al stone	0	5	4				PRI 417	2
Grev post	, mixed with							Thill 0 1 3	
whin		0	5	3				Grey metal stone 1 1 9	
	blue metal,							COAL 0 1 8	
birong	with strong							1 4	8
		3	1	9				mun o 1 o	
girdles				5				Thill 0 1 2	
COAL-	-Ruler Coal	U		U	5	4	7	Grey post 1 3 5	
			_	7.0	Э	4	1	Parting 0 0 2	
Thill		0		10				Brown post 3 3 3	
Blue met		0	2	8				COAL — Tilly Coal 0 2 0	
Grey post	, mixed with							5 4	0
whin	and brown								•
post		2	0	0				Thill 0 1 4	
Strong	blue metal,							Grey metal stone 0 2 1	
mixed	with strong							COAL 0 0 4	
girdles		0	0	2				0 3	9
	and brown		·	_					U
	and brown	0	5	4				Grey metal stone 0 4 4	
post	'47		_	2				COAL 0 0 5	
	with water	0	0	0				0 4	9
	st	1	2					Grev metal stone 0 3 2	
	with water	0	0	2					
	ost	0	3	0				731	
	with water	0	0	5				Blue stone 1 3 1	
Brown po	ost	1	3	3				Stand Same	
	tone, water							Stone Coal Seam—	
wedged		1	5	5				Ft. In.	
Blue met		0	1	3				Black jet 0 6	
COAL		0	0	7				COAL 2 6	
00					9	1	3	0 3 0	
		_	_			_		3 0	6
Grey post	t	0	5	9					U
Grey pos	t, mixed with							Thill 0 2 10	
whin		1	4	3				Blue metal stone, with	
COAL		0	0	11				post girdles 2 1 0	
					2	4	11	COAL-5/4 Seam 0 3 5	
Blue ston	e, mixed with							3 1 8	3
girdles			4	0					
8		_							-
Com	ied forward	2	A	0	40	1	4	Total *60 1	$3\frac{1}{2}$
Carr	icu ioi waru	9	4	U	40	4	4		-

^{*} Approximate sea level  $108\frac{3}{4}$  feet below this.

### No. 1,868.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 1 of Ordnance Map. Lat. 54° 57′ 53", Long. 1° 44′ 54".

Account of Strata sunk through at Stargate New Winning Pit, Grand Lease Colliery, near Ryton. June 16th, 1803.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Outset from surface 0 1 0	Brought forward 23 5 $2\frac{1}{4}$
Sand and gravel 2 0 0	Thill 0 2 3
Sand and clay, with	Grey post, mixed with
	11 1 1 0 0
Strong clay 1 2 5	Strong grey post and
Broken blue metal	whin layers 0 3 5
stone 0 3 0	White post, mixed
Main Coal Seam-	with whin girdles 0 2 2
Ft. In.	Coal parting, with wa-
COAL, top 1 6	ter wedged off, 240
Band 0 2	
COAL, good 5 11	gallons per hour 0 0 4
— 1 1 7	Grey girdles 0 0 10
	COAL, with a little
ml-11	water 0 0 9
Thill 0 2 6	3 0 3
Grey post 2 4 6	Thill 0 1 7
Parting 0 0 8	Blue stone, with grey
White post 1 5 0	
Chalk parting 0 0 11	
White post, mixed	Blue stone, mixed with
*17 1 7 7 0	pieces of round whin 0 3 0
	Blue stone, mixed with
	strong grey girdles 1 2 4
Strong white post,	
mixed with blue	Ruler Coal— Ft. In.
scares 3 1 9	
Strong white post 2 4 11	Band 0 2
Strong blue stone 0 2 10	COAL 1 1
Strong grey post gir-	0 1 10
11 0 0 10	5 1 1
dle 0 3 10	(A drift is driven in
Crow Coal Seam—	the Ruler Coal be-
Ft. In.	
COAL 1 7	tween the pit and
Band $0 \ 0\frac{1}{4}$	the staple for air.)
COAL, mid-	Strong thill 1 1 0
dle 0 7	Strong white post,
COAL, bot-	mixed with whin 0 2 6
tom, bad 0 7	Strong grey post,
, , , , , , , , , , , , , , , , , , , ,	mixed with white
$ 0 2 9\frac{1}{4}$	0 1 0
$\frac{}{}$ 14 3 $\frac{41}{4}$	
Thill 0 0 8	Dun whin, taken for
Five-Quarter Seam—	tubbing 0 2 0
Ft. In.	Strong white post,
COAL 0 7	with 20,60-gal. tubs
Slaty band 0 4	per hour 0 1 6
COAL 0 10	Strong grey post 0 4 1
Band and slate 0 3	Chalk parting, with
	30, 60-gal. tubs per
COAL 1 10	
Band 1 0	
COAL 0 4	Strong white post 0 2 2
0 5 2	Dun whin, cut out for
0 5 10	tubbing 0 2 6
0 0 20	
Carried forward 23 5 2 ¹ / ₄	Carried forward 5 5 3 32 0 61
Carried 101 ward 20 0 24	
	Z

# No. 1,868.—STELLA AND TOWNELEY.—CONTINUED.

													_
				Fs.			1	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	5	3	32	0	$6\frac{1}{4}$	Brought forward				57	3 1	03
Blue stone, mixed with							Thill	0	4	5			
catheads, cut out for							Blue stone	0	2	0			
tubbing, 20, 60-gal.							Whin	0	0	7			
tubs per hour	1	1	7				Grey post	0	0	8			
Strong grey post	0	1	6				Blue stone	0	1	10			
Black stone, mixed							Whin	0	0	4			
with catheads	2	1	11				Grey post, with blue						
Strong grey post	0	1	2			3	stone	0	2	8			
Blue metal stone	0	3	2				COAL—Hand Coal						
COAL and black jet,							Seam	0	0	4			
with water, wedged								Ĭ		-	2	0	10
off	0	0	9								4	0	10
· · · · · · · · · · · · · · · · · · ·				10	3	4	Thill	0	1	3			
Strong grey post,				10			Blue stone	0	2	7			
mixed with whin	3	0	10				Thill	0	1	6			
D 1.* .	0	2	0				Blue stone	0	0	7			
Dun whin	_			3			White post	0	0	6			
Strong grey post	0	3	3			*	Blue stone	0	0	4			
	0	1	$2\frac{1}{2}$	ī			Whin	0	0	5			
COAL, with six 60-							Grey post	ō	1	Ö			
gal. tubs per hour,							White post	0	i	9			
wedged off	0	0	9				Blue stone and hard		-	0			
				4	2	1	* 33	0	1	0			
Black jet, wedged off							XX71 */	0	1	0			
on account of water	0	0	5					0	0	2			
Thill	0	0	10				Chalk parting						
Blue metal stone	0	3	8				Whin	0	0	9			
Black stone, mixed		_	_				Blue stone	0	4	8			
with strong girdles	0	3	0				Stone Coal, Five-						
Whin girdles, wedged	Ŭ	•	·				Quarter, or Main						
off	0	0	4		÷		Coal Seam- Ft. In.						
COAL, with 52 tubs	U	U	-30				COAL 2 8						
per hour wedged off	0	0	3				Thill 0 3						
per nour wedged on	U	U	0	-1	2	6	COAL 0 5						
Strong blue stone				1	4	U	0 0	0	3	4			
Strong blue stone,										_	3	2	10
mixed with strong	1	0	0								U	4	10
grey girdles	1	0	0				Thill	0	2				
Strong blue stone,							Blue stone	1	0	3			
mixed with whin		~	_				Whin	0	0	7			
girdles	1	2	0				Blue stone and whin						
Barlow Fell Coal,							girdles	0	5	8			
or Towneley Main							White post, mixed						
Seam— Ft. In.							with whin	0	1	8			
COAL, top $0 8\frac{1}{2}$							Blue stone	0	4	6			
Black band 0 2							COAL - Under 5/4	-		Ť			
COAL, good 3 6							or 6/4 Seam	0	3	7			
-	0	4	4				0. 0/2 200.00				4	1	2
	_			3	0	$4\frac{1}{2}$	(8) (1)	^	0	,			
Box and pipe	1	5	9			4	Thill	0	2	4			
Blue stone and hard							Blue stone and whin						
girdle	0	3	5				girdles	0	2	6			
COAL (Hodge Seam),	-	_					COAL	0	0	10			
with a good feeder											0	5	8
of water	0	2	4				Thill	0	0	10			
32		4	T	2	5	6	Blue metal stone	0	0	8			
Thill	0	0	7	2	J	U	Black stone	0	2	10			
	0		1				Grey post	ŏ	0	8			
	2	0					Blue stone and girdles	Ö	4	ō			
Willie post	4	4	7				COAL-3/4 Coal or						
COAL (Tilly Seam),							Yard Seam	0	2	6			
with a small feeder	0	0	-,				Lara Scane		_		1	5	6
of water	0	2	4			_	Thill	0	1	1	-		
				3	1	7	***************************************		1				
Cla		3			0.1	03	Carried forward	0	1	1 /	70	1 10	03
Carried forv	var(	1		57	3 I	U4	Carried 201 ward						
	r A -						1 (0 1 1 )						

^{*} Approximate sea level (Ordnance datum).

### No. 1,868.—STELLA AND TOWNELEY.—CONTINUED.

Brough	nt forv	vard					Ft. 1		Brought forward	Fs.	Ft.		Fs. 73		
Blue metal								-	Thill	0	0		• •	_	-4
girdles		*	1	4	10				Strong white post,						
Grey post			0	1	1				mixed with whin	6	1	9			
Blue stone			0	1	1				Chalk parting	0	0	1			
Grey post			0	0	6				Strong white post,						
Blue stone			0	1	0				mixed with whin	2	3	5			
Whin			0						COAL-Brockwell						
White post			0	2	1				Seam	0	3	3			
COAL			0	0	3								9	2	9
			_			3	0 4	ŀ							
								-							
	Carrie	d for	war	d		<b>7</b> 3	2 2	34	Total				82	41	134
												-			

#### No. 1,869.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 o	f Ordnance	Map.	Lat.	, Long.

Bored through out of Stella Freehold Top (supposed Five-Quarter) Seam, after driving about 20 yards in clay, bearing from Shaft S. 13\dagger W. 1,450 links.

September 13th, 1839.

Approximate surface level feet above sea (Ordnance datum). Fs. Ft. In. Fs. Ft. In. Clay, with large gravelly stones Slaty blue metal ... ... Slaty black metal ... ... 1 0 4 8 1 8 ... 0 ... ... ... 0 1 8 ... . . . Grey metal and post girdles ... ... 0 1 6 Dark blue metal Strong white post and partings (no water) ... 6 5 4 0 2 11 Thill 0 0 7 Total

### No. 1,870.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON, DURHAM.

Sheet 1 of Ordnance Map. Lat. - , Long.

Account of Hole bored 205 yards South from Towneley Pit, by Howden Pickering. October, 1822.

Sand and gravel			 Fs. Ft. In. Fs. Ft. In. 4 2 0
Blue clay	•••	•••	 7 0 0
Blue stone COAL—Main Coal Seam	. 4.		 $ \begin{array}{cccccccccccccccccccccccccccccccccccc$
			13 2 0
· Total			 13 2 0

### No. 1,871.—STELLA AND TOWNELEY.

#### TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat.

, Long.

Account of Strata bored through at the East End of Stella Foundry, at the lowest level. January 20th, 1827.

Approximate surface level

feet above sea (Ordnance datum).

		· · · · · · · · · · · · · · · · · · ·	Fs.		In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Gravel	• • •		0	4	5				Brought forward 10 1 2
COAL	• • •		0	3	1				Thill 0 1 6
						1	1	6	Blue stone 1 1 10
Sand	• • •		0	0	6				Grey post 0 1 2
Thill			0	1	1				White post 0 3 4
White post			0	1	10				White post, mixed
Parting			0	0	8				with whin 1 1 4
White post		•••	0	3	7				Parting 0 0 1
Blue stone			1	0	5				Strong white post 0 3 4
White post			õ	ĭ	ĭ				Strong white post 0 3 4 Grey post 2 1 8
COAL	• • • • •		ŏ	î	ō				Blue stone, with whin
OOAL	***	•••				2	4	2	girdles 1 3 1
Thill			0	1	6	2	-12	-	girdles 1 3 1 Black stone 0 5 0
Blue stone	•••	***	2	0	0				Grey post 0 4 0
Grey post		•••	0	1	0				777
Parting, v		***	0	1	1				
		ater	0	0 2	3				Strong grey posts I
Blue stone			U	Z	3				Blue stone and strong
Blue stone	•			_	_				0224200
girdles			1	0	0				Left off in a strong
Parting, w			0	0	1				whin 0 0 1
Blue stone	, with	post	_	_	-				12 5 4
girdles	• • •	• • •	1	5	7				
COAL			0	3	0				
				_		6	1	6	
						_			
	Carrie	ed for	war	d		10	1	2	Total 23 0 6
							_	_	

## No. 1,872.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat.

, Long.

Account of Strata sunk through in Stella Freehold, East of the Gate Pit 500 yards, by the Waggonway side North of the Dyke. Begun December 11th, 1837.

Soil	0	2	0	Fs. Ft.	In.	Brought forward	15			. Ft. In.
Gravelly clay Sand, with water Strong gravelly clay,	0	3	0			Blue metal, with post girdles		1	0	
with layers of sand	12	3	$4\frac{1}{2}$			,			_	
Carried forward	15	3	$4\frac{1}{2}$			Carried forward	18	4	$4\frac{1}{2}$	

# No. 1,872.—STELLA AND TOWNELEY.—CONTINUED.

Brought forward COAL (January 3rd, 1838), depth of sta- ple 4 ft. 6 in.  Bored from here: Dark blue metal COAL Dark band COAL Thill stone Grey post Grey and blue metal, with post girdles	18 0 2 0 0 0 0	3 4 1 0 0	$ \begin{array}{c} 6 \\ - 19 \\ 11 \\ 1 \\ 2\frac{1}{2} \\ 8\frac{1}{2} \\ 0 \\ 7 \end{array} $	) ]	7t. In.	Grey whin Grey post Grey metal girdles COAL	vater and ]	left  post 	3 5 0 0 0 0 1 0 0	5 4 0 1 5 3 4 1 3 1	$ \begin{array}{c} 9\frac{1}{2} \\ 9\\ 11 \end{array} $ $ \begin{array}{c} 1\\ 7\\ \\ 0\\ 3\frac{1}{2}\\ 0\\ 1\\ 9 \end{array} $	2 -	$9\frac{1}{2}$	
Carried forward	3	5	01/2 2	22	2 91/2		Tota	1		•••	36	5	1	

### No. 1,873.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat. , Long.

Strata sunk through in Stella Township, North Ryton. Finished April 21st, 1838.

Sand and gravel Fs. Ft. In. Fs. Ft. In.  1 2 0	Fs. Ft. In. Fs. Ft. In. Brought forward 20 1 61
Strong gravelly clay,	Grey thill 0 2 0
with tumbling	Black stone 0 3 4
stones and sand 13 2 0	Grey post 0 3 8
Blue stone, with post	COAL 0 1 5
girdles 3 0 0	1 4 5
Ft. In.	Band 0 0 3
COAL 0 6	COAL 0 0 5
Band $0$ $0\frac{1}{2}$	0 0 8
COAL $0 \ 2\frac{1}{2}$	Grey thill 0 3 0
Band $0   0   \frac{1}{4}$	
COAL, good $2 9\frac{1}{4}$	7777 1
$$ 0 3 $6\frac{1}{2}$	0.00
$\frac{18 \cdot 1 \cdot 6\frac{1}{2}}{18 \cdot 1 \cdot 6\frac{1}{2}}$	0 3 0 10 0 8
Grey thill 0 5 0	
	Grey thill 0 3 0
D11	Grey metal post 1 3 0
COAL	COAL 0 1 0
	2 1 0
200	
	04.0.01
Carried forward 20 1 $6\frac{1}{2}$	Total 34 2 3½

### No. 1,874.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat.  $54^{\circ}$  57' 50'', Long.  $1^{\circ}$  44' 20''.

Boring Account at Stella Freehold or Bog Pit. Finished boring August 8th, 1840.

Approximate surface level 202 feet above sea (Ordnance datum).

			Fs.			Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Mild grey p	ost		0	1	9				Brought forward 13 1 1
Blue stone			0	2	0				Clay 0 0 6
White post		e-0 0	1	3	4				Blue stone and post
Mild partin	g		0	0	4				girdles 0 5 5½
White post	•••		1	1	9				<u> </u>
Parting			0	0	2				Resumed boring, June
White post	•••		0	5	2				22nd, 1840:—
Parting	•••		0	0	2				Blue metal, with grey
White post			0	3	6				post girdles 1 1 10
Blue stone			0		0				COAL 0 0 6
Grey post			0	3 5	2				Thill 0 0 10
White post			0	5	3				Grey post 0 3 0
Parting			0	0	2				Blue metal 0 2 8
White post			1	3	0				White post, with part-
Parting			ō	0	2				ings 1 1 8
White post	•••		ĭ	2	10				COAL 0 1 1
Blue stone	•		õ	2	0				Thill 0 1 0
Black stone			U	~	Ü				Blue metal, with post
pipes	, 11 1 0 11 1	***	0	2	2				girdles and blue
COAL			0	ĩ	6				stone 1 0 11
OOAL	•••	•••				10	4	5	1171 14
Clay			0	3	0	10	30	0	71
	•••	• • •	0		8				GI 111 I 1 1 1 I
Grey post	***	•••	1	3 2	0				The state of the s
Blue stone	•••	•••	1	0	2				
COAL	•••	•••	U	U	4	2	2	10	with partings 0 3 3
						4	4	10	8 1 3
	O	.a.c.				19	1	7	Total *99 9 9
	Carri	ea 10	rwa	ra		13	1	1	Total *22 2 3

^{*} Approximate sea level 673 feet below this.

### No. 1,875.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON, DURHAM.

Sheet 1 of Ordnance Map. Lat.  $54^{\circ}$  58' 11'', Long.  $1^{\circ}$  46' 30''.

Strata sunk through in the Emma Pit, Towneley Colliery. Commenced March 17th,

Soil Clay, gravel, and sand Yellow and white freestone	0 2	3	6	Ft. In.	Brought forward Soft black stone Yellow and white free- stone	0	2	5	Fs.	Ft.	Tn.
Carried forward	4	2	4		Carried forward	9	1	0			

# No. 1,875.—STELLA AND TOWNELEY.—CONTINUED.

			Fs. F	t. In.		Fs.	Ft. I	ı. Fs.	Ft.	In.
Brought forward	9 1	0			Brought forward	1	0 '	7 36	3	$7\frac{1}{2}$
COAL-Grand Lease					Ironstone band	0	0 4			_
Main Coal (old waste					Grey metal, with post					
crept close; cut into					girdles and 60 galls.					
seam March 28th,					of water per minute	0	3 3	3		
1845)	1 1	. 0			Grey post girdle	0	0 4	4		
			10 2	2 0	Grey metal, with water	0	1 8	3		
Grey metal	1 (	0			White post, with water	0	4 2	3		
Dark grey post and					Grey whin	0	2 4	Ŀ		
blue metal	3 (	0			White post, with water	0	5 (	)		
Grey post and blue					Grey whin	0	1 8	3		
metal stone	2 0	0			White post	0	1 8	3		
Grey metal, with post					Grey metal	0	0 8	)		
girdles	0 3	7			Grey metal	0	3 8	34		
White post, with metal					Grey post girdles, with			2		
partings	0 3	7			water	0	0 8	3		
White post, with metal					Grey metal	0	1 (	3		
partings	0 3	10			Blue stone	0	3 2			
COAL - Crow Coal					Band of ironstone	0	0 8			
Seam	0 2	0			Grey metal, with					
			8 1	. 0	bands of freestone	1	0 5	1/2		
Seggar elay	0 2	0			COAL	0	0 4			
Grey metal and post					Seggar clay	0	3 2			
girdles	0 2	0			COAL	0	0 5			
Grey metal and post								7	5	$0\frac{1}{2}$
girdles	0 0	10			Grey metal	1	2 2		0	02
Blue metal	0 1	4			Post	ō	5 0			
Grey metal, with iron-					111	0	0 2			
	1 1	6			Grey metal {_	0	_			*
	0 4	1			COAL					
Grey metal, with iron-				_	COAL	0	0 10			10
stone balls and gir-					Post girdles	Δ.	0 5	2	3	10
	6 2	$6\frac{1}{2}$			Post girdles	0	0 5			
Five-Quarter Seam-	_	- 2			COAL	0	0 2		_	-
					(tray motel nost	0	1 1	0	0	7
COAL 0 5					Grey metal post	0	1 7			
Black stone					Post girdle		0 4			
					Grey metal		5 6			
0041					White post		2 3	2		
Black stone					Blue parting	_	1 0			
1 1 0 0 0 0					Post		0 7			
COAL					Blue stone	_	0 3	2		
	1 1	0					2 11	,		
	1 1	0		0.1	Dt	-	0 4	1		
Thill	0 1	J	0 3	35			4 8			
	0 1	11				0	2 1	î		
White post, with metal	0 =	0			Towneley Seam-					
grey metal	0 5	9			COAL colint 0 01					
0041	0 1	5			COAL, splint 0 91					
i	0 0	8	1 10	0	Band $0  2\frac{1}{2}$					
Grey metal	1 0	77	1 3	9	COAL 3 3	^				
	$\frac{1}{2}$	7				0 4	4 3	_		
	2 0	4			-			5	2	0
D. 1. 0	2 0	6			200		2 0			
Ruler Seam— Ft. In. O 11					711		3 4			
7) 7							1 4			
0011					COAL—Hodge Coal	0 :	1 10	_		
COAL 1 $1\frac{1}{2}$	0 0	6			G (1)			1	2	6
(	0 2	2		_	Grey metal, with post	_				
Secon eles	0 7		5 5	7			4 0			
	0  1	4					3 0			
Grey metal (	0 5	3			Blue stone	1 8	5 0			
Connied Commission	1 0		0 0		G 1.10	-				
Carried forward	1 0	7 3	6 3	$7\frac{1}{2}$	Carried forward	7 (	0 0	53	5	7

^{*} Approximate sea level (Ordnance datum).

# No. 1,875.—STELLA AND TOWNELEY.—CONTINUED.

2.0. 2,0.0.							
Brought forward	7	0	0	Fs. 53	Ft. 5	In. 7	Brought forward 3 5 7 67 5 6
White post Blue stone	0	1	$\frac{10}{3\frac{1}{2}}$				Grey metal, with post girdles 2 0 0 COAL—3/4 Seam 0 2 4
COAL — Hand Coal	0	2	$\frac{2\frac{1}{2}}{10}$	7	2	4	77k:11 - 6 1 11
White post	0 0 1	1 0	8 9				Grey post 0 3 1
Brown whin White post	0	1 3	6				Grey metal 0 5 6
Stone Coal Seam— Ft. In.	U	Э	U				Grey metal 0 1 6
COAL 2 1 Band 0 2							Grey metal 0 1 8
COAL 0 3	0	2	6				White post 5 3 8
Blue stone	0	3	8	3	0	3	White post 0 1 3
White post Brown whin	1	1 4	9				Blue metal 0 0 4 White post 0 0 8 Brockwell Seam—
Post girdles Blue stones	0	0	7				Ft. In.
Five-Quarter Seam— Ft. In.							Band 0 4 COAL, coarse 0 5
COAL, top 0 6 Band 0 1							COAL, good 2 2½ Splint 0 6
COAL, good 2 3 COAL, coarse 0 5							$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	0	3	3	3	3	4	Thill 0 2 6 Grey metal 0 2 0
Commenced to sink				67	5	6	COAL 0 0 6
from 5 4 to Brock- well Seam, April 6th,							Grey metal 0 2 5 White post 0 1 1
1881 :— Seggar clay	0	1	0				Blue metal 0 0 2 White post 0 0 7
Grey post, with whin Blue stone		1	7				Blue metal 0 0 4 White post 0 2 6
Grey post Blue stone	0	1	10 8				Grey metal 0 0 8 White post 1 2 0
Grey whin	0	5	0	<u>-</u>	5	6	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
Carried forward	3						Total sunk $\dots$ 88 2 $4\frac{1}{2}$

## No. 1,876.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON, DURHAM.

Sheet 1 of Ordnance Map. Lat. 54° 58′ 12″, Long. 1° 46′ 23″.

Strata sunk through in a Staple from the Five-Quarter Seam to the Brockwell Seam, 74 yards South 87½ East of the Emma Pit, Towneley Colliery.

Approximate surface level 277 feet above sea (Ordnance datum).

Sunk to 5/4 Seam {		Ft.		46	1	In. 0 6*	Brought forward 0 0 8 67 5 6 Thill, mixed with cat-
Seggar clay	0					v	heads 0 0 9 COAL 0 0 1
Carried forward	0	0	8	67	5	6	Carried forward 68 1 0

^{*} Approximate sea level (Ordnance datum).

## No. 1,876.—STELLA AND TOWNELEY.—CONTINUED.

Fs. Ft. In. Fs. Ft. In. Brought forward 68 1 0	Fs. Ft. In. Fs. Ft. In.
Thill and catheads 0 1 1	Brought forward 1 5 3 73 5 8 Grey metal 1 0 9
2 4 5	73 74
0 0 0	~ 0
Grey whin (out on	
N.W. side) 0 3 3	2
Hard grey post 0 4 0	White past
Blue metal partings 0 0 01	Parting 0 0 01
Blue metal 1 0 1	White most
Grey post girdle 0 0 6	Pauting 0 0 01
Grey metal 0 1 6	White most 1 4 10
Parting $0 0 0 \frac{1}{3}$	Grey post $0 \ 0 \ 3\frac{1}{2}$
Grey post 0 1 3	White next 1 0 C
Parting $0 0 0 \frac{1}{2}$	Danting ' 0 0 01
Blue metal 0 1 10	White post $0 \ 0 \ 0 \ \frac{1}{2}$
Three-Quarter Seam—	Grey post 0 0 2
Ft. In.	White post 0 3 7
COAL $1$ $6\frac{1}{2}$	Brockwell Seam-
Black band $0 2\frac{1}{2}$	Ft. In.
$COAL  \dots  0  7^{\frac{1}{2}}$	COAL, coarse $0   3\frac{1}{2}$
Black band $0  ext{ } 1\frac{\Gamma}{2}$	Black band 0 01
COAL $0  ext{ } 1\frac{1}{2}$	$COAL  \dots  0  1^{\mathbf{f}}_{2}$
$$ 0 2 $7\frac{1}{2}$	Black band 0 3
5 4 8	COAL, good $0$ $2\frac{1}{2}$
Thill 0 0 5	Jet $0.2\frac{1}{3}$
Grey metal 0 2 6	COAL, good $2  ext{ } 0\frac{7}{2}$
Post girdles 0 0 6	COAL, splint 0 6
Blue metal 1 0 7	0 3 8
Soft grey metal 0 1 3	
Carried forward 1 5 3 73 5 8	Total from surface $85 \ 5 \ 5\frac{1}{3}$

### No. 1,877.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON, DURHAM.

Sheet 1 of Ordnance Map. Lat. 54° 58' 10", Long. 1° 46' 30".

Section of Strata sunk and bored through from the Five-Quarter Seam in the Emma Pit, in a Staple North 58 West 520 links from Shaft. Completed April, 1850.

^{*} Approximate sea level (Ordnance datum).

# No. 1,877.—STELLA AND TOWNELEY.—CONTINUED.

## No. 1,878.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON, DURHAM.

Sheet 1 of Ordnance Map. Lat. , Long.

Boring from Towneley Seam downwards on the East side of Shaft of Emma Pit, bearing N. 72\frac{3}{4} E. 8.20 links. June 3rd, 1850.

,		Fs	Ft.	In.	Fs.	Ft. I	n.	Fs. Ft. In. Fs. Ft. In.
Staple sunk		0	4	3				Brought forward 2 4 9
White post		0	1	8				Grey post 0 1 6
Grey post		0	0	5				White post 0 1 3
Mild white post		0	0	5		-		Parting 0 0 2
Grey post		()	1	3				White post 0 1 4
Parting		0	0	2				Parting 0 0 1
Grey post			0					Post girdle 0 0 2
Hard post girdle		0	0	3				Parting 0 0 2
Grey metal		0	1	11				Post girdle 0 0 3
Post girdle		0	0	3				Whin 0 0 2
Grey metal			1					Grey post 0 0 4
Iron girdle	• • •	0	0	5				Parting $0 \ 0 \ 1\frac{1}{2}$
Grey metal	• • •	0	1	9				White post 0 2 9
Blue metal		0		10				Parting 0 0 1
COAL—Hodge C	oal	0	1	6	0		_	White post 0 0 11
			_	_	2	4	9	Parting 0 0 2
Cuminal forward 2 4 0						Carried forward 1 3 54 2 4 9		
Carried forward 2 4 9							Carried forward 1 3 $5\frac{1}{2}$ 2 4 9	

### No. 1,878.—STELLA AND TOWNELEY.—CONTINUED.

Post Parting Post Parting Post Parting Post Parting Post Soft parting White post  Carried	forward  Rise of sear	1 3 0 2 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	4 2 9 1 1 2 1 2 2 3 1 1 8 4 11 5 2 here tre	4 9 ouble v	Sof WI Par WI Par WI Par WI CC	t parting ite post ting ite post ring ite post	 	4 0 0 0 0 0 0 0 0	5	5 0	3	8 <del>1</del> 6
	To	otal ris	e from	shaft	•••	•••	 	8	1 0½			

### No. 1,879.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat.

, Long.

Mr. Cowen's Freehold Pit.—Boring Account at Path Head in the Dean opposite Mr. Cowen's Water Mill. August 9th, 1852.

Bog moss		In. Fs. Ft. In.	Brought forward 19	s. Ft.	In.	Fs.	Ft.	In.
Blue clay	0 1	0	Ft. In.					
	0 1		COAL 2 0					
	1 0	2	Seggar clay band 0 9					
Tumbling whin stone	0 1	3	COAL 0 7					
Blue clay	0 5	2	0	3	4			
Blue clay		ō	_			19	5	4
Blue mixed clay		0	Fire clay 0	3	0		_	
Brown shivery free-	-		Grey metal, with post		_			
	2 3	0	girdles 3	1	2			
	0 2	0	Open; old waste-	_	_			
	•		Five-Quarter (?)	2	0			
			-			4	0	2
Carried forward	19 2	0	Total			23	5	6
Carried for ward	10 2	· ·	Total	•••	=	20	-	=

## No. 1,880.—STELLA AND TOWNELEY.

### TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat.

, Long.

Boring by the Railway Side, opposite the South-west corner of Stella Park Wall, below Path Head, by J. Smith. Begun November, 1852; finished January 10th, 1853.

Strong blue clay, with	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
tumbling stones	. 6	3	6				Ironstone or whin		_	_ `			
Fine loamy sand		1	2				COAL (water got at						
Clay, boxes up to this							through coal)	0	0	9			
point (Nov. 20th)	3		11								0	4	2
COAL	0	1,	0				G	^	^	10	Ŭ	•	~
				10	3	7	Seggar clay Blue stone	0		10			
Blue clay	0	6	0				Ironstone or whin	0		4			
Soft post	0	1	ő				COAL, very Ft. In.	U	U	T			
Blue stone	ŏ	4	7				strong (Dec.						
Yellow post		$\overline{4}$	8				16th) 2 6						
COAL	0	0	7				Black stone 0 8						
				2	1	10		0	3	9			
Common alon	0	-	0	-	_			U	9	2			
Seggar clay Blue stone	0	1 3	6 8								1	2	4
0041	0	0	4				Seggar clay	0	.0	8			
COAL	U	U.					Hard grey post	0		8			
		-	_	0	5	6	Blue stone	0	2	7			
Seggar clay	0	0	6				Ft. In.						
Blue stone	0.	2	3				COAL 2 4						
Old waste—Old Five-		9					Seggar clay band 0 2						
Quarter (?)	0	5	3				COAL 0 4						
				1	2.	0		0	2	10			
Seggar clay	0	4	0			_					1	0	9
Hard post	_	0	6										
Blue stone (Dec. 2nd)		4	2				Seggar clay	0	3	2			
Grey post	ŏ	4	9				White post		4				
Blue stone, mixed with		_	Ĭ				Blue stone	2	1	6			
girdles	2	1	1				White post	0	U	10			
Ft. In.							Soft parting, with	0	0	2			
COAL 1.0							TT71 */ /	0	1	2			
Band 0 1							Coft nonting	0	0	3			
COAL 3 0							White post	ĭ	2	7			
a, c,	0	4	1				Blue stone	ĩ	4	7			
** ************************************				5	0	7	COAL (supposed		•				
Seggar clay	0	0	1	U	U		Five-Quarter Seam)	0	4	1			
Blue stone	0	2	1								7	4	4
Blue stone	U	1	4				4				•		
							T						
Carried forward	0	3		90	1	0	m 4.3				07	4	1
Carried forward	U	0	Ð	20	4	6	Total		•••	=	31	4	=
						5							

### No. 1,881.—STELLA AND TOWNELEY.

### TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat.

Boring Account at Smith's Shop, Stella Staith, by J. Smith. Begun January, 1853.

, Long.

Approximate surface level feet above sea (Ordnance datum).

	Fs. Ft. In. Fs. Ft. In. 1 3 0	Brought forward Fs. Ft. In. Fs. Ft. In. 14 4 2
	0 3 0	Seggar clay 0 2 6
Sand	0 1 0	Blue metal stone 0 0 10
Blue clay, with tum-		COAL 0 0 2
	9 0 0	
Yellow post	1 2 0	0 0 0
Blue metal stone	1 1 0	Seggar clay 0 2 0
Hard post	0 0 8	White post 0 1 4
Whin	0 0 6	•
Blue metal stone	0 0 10	0 3 4
COAL	0 4 2	
	14 4 2	
Carried f	forward 14 4 2	Total 15 5 0
		•

## No. 1,882.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON, DURHAM.

Sheet 1 of Ordnance Map. Lat. 54° 57′ 58″, Long. 1° 45′ 13″.

An Account of the Strata passed through in a Staple sunk from the Towneley Seam, about 360 yards North-West from Stargate Pit. September, 1853.

Thill 0 3 0 Blue and grey metal 1 2 0 Grey post 0 4 1 White post 0 2 8½ COAL—Hodge Coal 0 1 3	Brought forward 5 0 5½ 3 1 0½  COAL, mixed with danty bands 0 10½
Thill 0 3 7½  Grey post 0 2 0  White post 0 1 0  Parting 0 5 8  Parting 0 5 8  White post 0 5 3	Hard stone band 0 0\frac{1}{2}  COAL, good 0 7  COAL, coarse, of a splinty nature 0 4  COAL, good 0 5
Parting 2 0 11  Carried forward 5 0 5½ 3 1 0½	Into fire clay thill.  Total 8 3 9

### No. 1,883.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON, DURHAM.

Sheet 1 of Ordnance Map. Lat. 54° 58' 50", Long. 1° 46' 40".

An Account of the Strata met with in a Borehole made near the Falls by the Side of the Newcastle and Carlisle Railway, in Col. Towneley's Property, by the Stella Coal Co. Commenced July 9th, 1863; finished September 25th, 1863.

Fs. Ft. In. Fs. Ft. In. Soil 0 1 0	Brought forward Fs. Ft. In. Fs. Ft. In. Br. 4 2
Carry and Branch	
Sand and gravel, with	Parting 0 0 01
water 1 1 0	Darkish grey post $0   3   10^{\frac{1}{2}}$
Loamy clay 0 0 6	White and grey post 0 5 2
Sandand gravel, mixed \( \) \( \) \( \) \( \) \( \)	Parting, with water $0   0   0\frac{1}{2}$
with clay $(0 \ 0 \ 1)$	Grey post 0 0 3
Tumbling stone 0 0 11	Brown post 0 4 1
Sand and gravel 1 2 3	Post 0 0 3
Tumbling stone 0 0 6	Blue metal 0 0 6
Sand and gravel 3 4 0	Brown post, with gir-
Strong blue clay (July	dles 0 2 5
0011	Blue metal 0 2 5½
	Post 0 0 1½
11 0 9	Blue metal 0 2 8\frac{1}{2}
Shivery post 0 1 6	Don't
0 11 000	0.00
Brown post, with wa-	Grey metal 0 2 0
ter $0 \ 0 \ 10\frac{1}{2}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Blue metal and post	Blue metal 0 2 4
girdles 0 1 3	Post girdle 0 0 2
Brown post $0.56\frac{1}{2}$	Blue metal $1 \ 0 \ 2\frac{1}{2}$
Blue metal 0 0 2	Post girdle 0 0 5
Brown post $1 0 7\frac{1}{2}$	Blue metal 1 0 0
Blue metal 0 0 4	Grey metal $0  ext{ } 1  ext{ } 6\frac{1}{2}$
Brown post $0 2 6\frac{1}{2}$	COAL (August 6th) 0 0 6
Grey post 0 0 10	8 5 01
Blue metal 0 0 1	0 0 02
Grey post 0 0 7	Grey metal $1  ext{ } 1  ext{ } 2\frac{1}{2}$
Blue metal 0 0 3	Whin 0 0 7
Grey post 0 0 6	Grey metal 0 1 5
Blue metal 0 0 7	COAL (August 7th) 0 1 5
Brown post 0 4 2	
Diona post iii iii o 2 2	1 4 72
Supposed Ruler Seam—	Grey metal 0 1 13
Ft. In.	
COAL 1 0	Blue metal and coal
Band 0 4	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
COAL 2 7	Blue metal and post
	girdles 0 3 9½
<b>——</b> 0 <b>3</b> 11	Grey metal $0 0 4\frac{1}{2}$
5 3 5	Brown post $0  ext{1}  ext{5}  extstyle{1}{2}$
	Blue metal 0 0 4
Carried forward 16 4 2	Carried forward 1 1 $9\frac{1}{2}$ 27 1 10

^{*} Approximate sea level (Ordnance datum).

## No. 1,883.—STELLA AND TOWNELEY.—CONTINUED.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 1 1 9½ 27 1 10	Brought forward 0 1 8 45 0 41
Grey metal $0 1 8\frac{1}{2}$	Blue metal, with coal
Grey post $0 3 2\frac{1}{2}$	pipes 0 0 4
Grey metal $0 \ 0 \ 1\frac{1}{2}$	Seggar clay 0 1 11½
Grey post 0 3 0	Grey post 0 0 9
Blue metal 0 3 8	Grey metal $0  1  5\frac{1}{2}$
	Grey post $0 \ 0 \ 6\frac{1}{2}$
Supposed Towneley	White post 0 1 5
Seam Ft. In.	Grey post 0 2 6
COAL (Aug.	Blue metal 0 2 3
11th, 1863) 0 3	
Band 0 2	0 0 0
COAL 0 6	
Band $0   0\frac{1}{2}$	~
COAL $2 \ 11\frac{1}{2}$	Grey post 0 0 5
0 3 11	Blue metal 0 4 2
3 5 5	COAL (supposed 5/4
	Seam 0 3 6
Seggar clay 0 3 8	3 4 9
Grey metal $0   1   11\frac{1}{2}$	
Grey post and part-	Seggar clay 0 0 6
ings $1 \ 0 \ 5\frac{1}{2}$	COAL 0 0 3
Grey post and part-	Seggar clay 0 2 1
ings 1 2 8	Post 0 0 2½
Grey post and part-	Metal parting $0 \ 0 \ 3\frac{1}{2}$
ings 0 2 $3\frac{1}{2}$	Strong grey metal 0 2 3
COAL (August 17th)	Blue metal 0 1 1
-Supposed Hodge	D4
0 1 10	Dl.,4.1 0 0.10
Seggar clay $0  1  11\frac{1}{2}$	37 / 3
Grey metal $0 3 4\frac{1}{2}$	Metal 0 0 2
Grey post and partings 1 4 1	Grey metal 0 0 9
COAL (supposed	Blue metal $0 \ 1 \ 1\frac{1}{2}$
	White post 0 1 6
	Whin (took 7-8 hours
2 5 4	to bore through it) 0 2 0
Seggar clay 0 1 7	Strong white post 0 3 8
Grey post 0 1 3½	Blue metal
Mild grey metal, with	Grey post and water 0 0 7
	Grey metal 0 2 9
water 1 5 1 Grey metal and coal	Blue metal and post
	girdles $0.59\frac{1}{3}$
0.7	Grey metal $0 1 3\frac{7}{2}$
Grey post 0 1 4	Blue metal and post $0 2 4\frac{7}{2}$
Grey metal $0 1 8\frac{1}{2}$	COAL (supposed 3/4
COAL (supposed	Seam) 0 1 6
Hand Coal) 0 0 1	
3 2 0	
Plus model 0 7 171	Seggar clay 0 1 2
Blue metal 0 1 11½  Gray post 0 5 101	D C
Grey post $0  ext{ 5 } 10\frac{1}{2}$	Post 0 0 5
Blue metal 0 0 2	0 1 7
Grey post 0 4 11	
Grey metal 0 5 6	
COAL (supposed	
Stone Coal) 0 2 6	
3 2 11	
Seggar clay 0 0 6	
Grey post 0 1 2	
Consid formal O 7 0 15 0 11	Total 55 1 10
Carried forward 0 1 8 45 0 $4\frac{1}{2}$	20002 111

### No. 1,884.—STELLA AND TOWNELEY.

#### TOWNSHIP OF RYTON, DURHAM.

Sheet 1 of Ordnance Map. Lat. , Long.

Account of the Second Hole bored 400 yards below Stargate House, close to the South Side of the Waggonway, by Messrs. Howden, Robson, and Pickering.

Approximate surface level feet above sea (Ordnance datum).

								-				
Gravel and	sand		•••	•••			Fs 1	. Ft.		Fs.	Ft.	In.
Clay			•••						0			
Sand	•••		•••	•••			-	_	0			
Clay	•••	• • •		•••		• • •			0			
Blue stone		-:-					3	0	0			
COAL, SI	11			south	side of		_	_				
trouble	•••	•••	•••	•••	•••	•••	0	3	6	10		0
							_			18	4	6
			Total		•••	•••			_	18	4	6

Trouble downcast 90 fathoms to north.

### No. 1,885.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Orduance Map. Lat. 54° 58' 23", Long. 1° 44' 5".

No. 3 Account of a Boring made by the Stella Coal Company in a Field called the Foundry Field, belonging to J. C. Lamb, on the North Side of the Newcastle and Carlisle Railway. Commenced December 16th, finished December 28th, 1863.

										-
Soil		Ft. In. 0 0	Fs. Ft. In.	Brought forward		Ft.	In. 8	Fs.	Ft.	In.
F	_	4 0		Soft grey freestone		_	9			
(1) 1		3 10					9			
				Soft grey post						
Gravel		4 0		COAL (Dec. 21st,)	0	0	6			
Sand and gravel	0	2 2						8	0	2
(	0	3 0	-	Seggar clay, &c	7	2	61			
Clay and gravel	0	3 8			7	1				
Clay, mixed with sand	0	4 10		Grey metal	0	1	$\frac{8\frac{1}{2}}{2}$			
Clay and gravel	0	0 11		Grey metal			_			
Tumbling stone	0	0 7		Strong grey post	_		0			
Soft parting		0 1		Blue metal	-	1				
Tumbling stone	0	0 6		Dark metal	1	_	10			
Clay and gravel		0 9		Post girdle	0	0	13			
Loamy clay		2 9		Dark blue metal	0	1	$10\frac{1}{2}$			
Clay (Dec. 19th, 1863;	•	- 0		Post	0	0	9			
the props were put				Blue metal	0	2	73			
	0	2 7		Post	0	0	10			
in 22 feet)	U	2 1								
0 1.161		0 0		G	4	0	101	0	0	9
Carried forward	6	3 8		Carried forward	4	3	105	O	U	2

^{*} Approximate sea level (Ordnance datum).

## No. 1,885.—STELLA AND TOWNELEY.—CONTINUED.

Brought forward 4 3 10½ 8 0 2  Grey metal 0 2 5  COAL — Towneley	Brought forward $\begin{array}{cccccccccccccccccccccccccccccccccccc$
Seam (Dec. 24th)       0       3       8         Seggar clay        0       3       5         Blue metal        0       1 $7\frac{1}{2}$ Grey metal        0       1 $7$	COAL—Hodge Seam (Dec. 28th)
Grey post $0 \ 4 \ 6$ Carried forward $1 \ 5 \ 1\frac{1}{2} 13 \ 4 \ 1\frac{1}{2}$	Total 0 2 2 16 4 2½

## No. 1,886.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat. , Long.

No. 4 Boring made by the Stella Coal Company, on the South Side of the Newcastle and Carlisle Railway, opposite Hedgefield, in Col. Towneley's Ground, 54 yards East of the Old Water Pit. Commenced December 28th, 1863; finished January 4th, 1864.

Approximate surface level feet above sea (Ordnance datum).

0.9				Ft.		Fg.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil		• • •	0	2	0				Brought forward 2 0 6 4 3 4
Loamy clay .			1	2	0				Blue metal 0 0 6
Sand and grav	vel .		0	5	9				Grey post 0 0 2
Clay and grav	rel		0	1	3				Grey metal 0 1 8
			0	1	0				Dark grey post, with
Clay and sand	l		0	0	8				partings 0 3 10
Clay .			0	0	7				Dark blue metal 0 1 0
					_	3	1	3	Dark blue metal 0 3 6
Small pipes p	ut in	22							Post girdle 0 0 2
feet.									Dark blue metal 0 1 1
Soft grey post	t		0	4	8				Blue metal 0 0 7
0			Õ	3	0				Mild grey post 0 1 7
COAL .			0	0	5				Blue metal 0 1 5
	100				_	1	2	1	Grey post 0 1 4
Seggar clay			0	0	7	_	_	-	Blue metal 0 2 8
Blue metal			ŏ	ŏ	4				COAL — Towneley
Blue metal		• • • •	Ö	2	2				Seam 0 4 0
C		•••	ő	1	2				6 0 0
Grey metal			0	i	9				
Mild grey pos	+	• • •	0	i	8				1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Strong grey p	oat	• • •		-	11				- Constant
		• • •	0						
		• • •	0	0	6				Blue metal 0 1 0
Mild grey pos	U	• • •	0	1	5				0 4 8
Carried f		3			_		_	_	Total 11 2 1
Carried 1	orwar	a	2	0	6	4	3	4	Total 11 2 1

No. 5 Boring, made to see depth to Stone Head, 10 yards south of No. 4 Borehole. January 9th, 1864.

Fs. Ft. In. 2 2 0 Loamy clay ... *** 111 111 Stone.

	No. 1,8	386	-ST	EL	LA A	AND	ТО	WN	ELE	EY.	_(	Con	TI	NUE	D.	
			No.	6 B	oring,	16 ya	rds I	East	from	No	. 5.					
			,									. Ft.				
		tone.	clay	•••	• .	•••		•••	•	••	2	2	6			
	B	tone.									9					
N	o. 7 Bor	ing, 2	2 yar	rds S	South	from	No. 6	Bor	ehole		Tanı	uary	1 14	eth,	1864	
		0,	v									. Ft				
		oamy tone.	clay	•••	, j	••	•••	•••	•	••	2	0	6			
The last	four trial	le wor	o ma	de fo	or the	nurno	se of	deci	dino	the	pro	ner	nla	ca fo	י פיינו	nit and
The last	TOUT DITE.					found							Pia		1 4	pro, and
Hollurn	Dene.—	Section	n of	a l	Seam	which	oute	rons	at ti	he l	enel	of	t.h.	o R	rook	in the
	into the															
														Ft. 1		
	Post roo	f.								_		0.1				
	COAL	•••		•••	•••	• • •		•••	• • •	0	0	$6\frac{1}{2}$				
	Band COAL	•••		•••	•••	• • •		•••	•••	0	0	3 81				
	Band	•••			•••	•••			•••	0	0	$1^{\frac{3}{2}}$				
	COAL	•••		•••		•••				ŏ	ĭ	3				
	COAL,	coars	e							0	0	4				
	Band	• • •										4				
	COAL	• • •	•	•••	•••	• • •		•••	•••			8				
	Band COAL	•••		•••	***	•••		••	• • • •	0	0	$\frac{6}{3\frac{1}{5}}$				
	Seggar c	lav.	•	•••	•••	•••		••	•••	U	U	07				
	Doggar C	auj.										_	0	4 1	11	
													_			
					Total	l							0_	4 1	$1\frac{1}{2}$	
													_			
The a	bove sear	n is b	elow	the !	level o	of the	top o	f the	Emr	na ]	Pit &	and	dis	tant	fron	n it.
				•												
		No.	1,88	7.—	-STE	LLLA	AN	1D ,	TOW	VN	EL	EY	•			
				TOW	NSHIP	OF S	TELL	A, DT	URHA	м.						
						_				_						
	Shee	t 2 of	Ord	nanc	е Мар	o. La	t.		,	Lor	ıg.					
			No.	5 H	Tole, in	n the s	ame .	Field	l as I	Vo.	4.					
	Appro	vimat	-0 0334	foo	lovol	£,	act of		200 ((	hadi	none	o de	a + 111	m)		
	Аррго	Almai	e sui	Tace	ievei	. 16	et al	ove	sea (C	nu	lanc	oc u	a u u	111).		
										Fs.	Ft.	In.	Fs.	Ft.	In.	
	Soil and									0	4	0				
	Clay, mi	ked wi	ith sa	and				• • •	•••	0	2	0				
	Sand, wi	th wa	ter	• • •	***			• • •	•••	0	$\frac{1}{2}$	0				
	Clay and Sand	sand		• • •	14	• •		•••		1	3	. 0				
	Clay										. 3	8				
	Left off	in san	d					•••	•••	0	5	4				
													10	3	0	
					ar.	,							10	0	_	
					Tota	al		• • •	•••		•••		10	3	0	

## No. 1,888.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON, DURHAM.

Sheet 2 of Ordnance Map. Lat. 54° 58′ 23″, Long. 1° 44′ 14″.

Account of Strata passed through in the sinking of the Addison Pit, at Hedgefield.

First sod cut January 26th, 1864; sinking commenced February 1st;

finished January 26th, 1865.

**	
Fs. Ft. In. Fs. Ft. In.  From sole of cage frame to original surface 1 2 8  Loamy soil and clay 2 3 0  Shale \{ \begin{subarray}{cccccccccccccccccccccccccccccccccccc	Fs. Ft. In. Fs. Ft. In   Fs.
Towneley Seam—  Ft. In.  COAL, top 0 7  Band 0 1  COAL 5 4  (At one side of the pit the seam was 4 ft. 2in.; the extra height is owing to a small fault.)	Stone Coal—       Ft. In.         COAL       3 0         Band       0 0½         COAL       0 5½         ——       0 3 6         (Feeder 154 gallons)       ——       4 5 0         Seggar clay       0 1 6       6         Grey metal       0 4 6       6         Blue metal       0 3 0       0
Fire clay 0 4 0  Grey post, with blue metal partings 1 5 0 COAL—Hodge Seam 0 1 6  Seggar clay 0 2 0 Grey metal and post	Grey metal and post girdles 1 0 4½  Blue metal and post girdles 0 5 5  Blue metal 1 1 0  Ft. In.  COAL 0 8½  Band 0 1½  COAL, good 2 5
girdles 0 5 0  Blue metal and post girdles 1 1 6  Grey metal and post girdles 0 1 3  Strong white post 1 3 6  Tilly Seam— Ft. In.  COAL 1 8½  Band 0 1½	0 4 0½ 5 1 10  Seggar clay 0 1 6 Grey metal 0 2 1 COAL 0 0 5 Blue metal 0 5 11  Ft. In.
COAL 0 10° — 0 2 8  (Feeder 66 gallons — 4 3 11 per minute.)  Carried forward 21 1 7	Black shale or cannel coal 0 8 Band 0 3 Black shale 1 9

## No. 1,888.—STELLA AND TOWNELEY.—CONTINUED.

COAL        0       6         Band        0       3       1½         Seggar clay        0       1       6         Grey metal        0       2       2         Blue metal and iron girdles        1       3       5         Seggar clay        0       1       10       0       8         Seggar clay        0       1       10       0       8         Seggar clay         0       1       10       0       8         Grey metal and post girdle         0       0       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       6       7       7<	Whin post Blue metal  Three-Quarter Seam— Ft. In COAL 2 0	0 0 0 0	0	6 10			Brought forward Blue metal 0 2 2 Grey metal 0 4 5 White post and metal partings 3 4 10 Blue metal 0 2 8 COAL 0 0 2 Blue metal 0 0 8
Seggar clay        0       1       0         Grey metal and post girdle        0       5       2         Grey post       0       4       9             COAL        0       0       6         Grey metal and post girdles        1       1       6	COAL          0         6           Band          0         3           Seggar clay             Grey metal	$\frac{0}{0}$	1	$\frac{1}{6}$ 1	1	6 <u>1</u>	Seggar clay 0 1 10 0 8  Seggar clay 0 1 10  Grey metal and girdles 0 4 1
Carried forward 4 0 0 34 4 $6\frac{1}{2}$   Total 47 3 $4\frac{1}{2}$	Seggar clay Grey metal and post girdle	0 0 0	1 5 4	0 2 9	4	$\frac{6\frac{1}{2}}{6\frac{1}{2}}$	Grey metal and post girdles 1 1 6 2 4 2

# No. 1,889.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON, DURHAM.

Sheet 2 of Ordnance Map. Lat. 54° 58′ 14″, Long. 1° 44′ 42″.

Section of Strata sunk through in Staple between Five-Quarter Seam and Brockwell Seam. Bearing, 28 chains 57 links S. 85½ W. from Addison Pit.

Approximate level 195 feet above sea (Ordnance datum).

Seggar clay Fs. 1	Ft. In. Fs. Ft. In. 2 0	Brought forward		Ft.	In.		Ft. In. 1 3
Grey post stone 0	2 41	Grey metal stone	0	2	0		
	0 6	Grey metal stone Hard white post Whin and post	0	3	5		
-	$ 0 4 10\frac{1}{9}$	Whin and post	0	3	0		
Grey post 0	$2 \cdot 10\frac{1}{3}$	Blue metal, with iron					
	$2  10^{\frac{7}{3}}$	girdles	1	2	0		
	$3 7\frac{1}{2}$	Post, with blue metal					
	2 5		3	2	6		
Three-Quarter Seam-	_	Hard brown whin					
Ft. In.		Post, with blue metal	-		-		
COAL, top 1 7		partings	0	4	0		
Band 0 4		Blue metal stone					
COAL 0 8		COAL	0	ō	4		
0.5	2 7	Blue metal stone					
	2 2 41	2100 11101011 270110 771				8	3 11
Carried forward	3 1 3	Total			*	11	5 2
					=	_	

^{*} Approximate sea level 124 feet below this.

## No. 1,890.—STICKLEY.

TOWNSHIP OF

, DURHAM.

Sheet of Ordnance Map. Lat.

, Long.

Bored at Stickley, in the Staple supposed nearly four fathoms from the surface to the box. Finished June 2nd, 1743.

							1					
				Fs.	Ft.	In.		Fs.				Ft. In.
Box	2	3	0				Brought forward	5	3	0	20	4 7
Grey post	0	3	0				White and grey post	1	5	0		
Grey and black scamy							Grey metal stone, with					
metal, with catheads	0	4	0				white post girdles	4	Λ	0		
	0	-3	0									
COAL, hard foul,	_	_	_				White whin	0	_1	0		
with water	0	2	0				Strong white post gir-					
	_			4	0	0	dles, with metal					
Grey metal	0	3	0				partings	3	3	0		
Grey metal stone, with	_						Open white and black		•	•		
	0	0	^									
brown post girdles	2	0	0				scamy stone, with					
Brown post	3	3	0				water	0	1	6		
Black metal, scared							White and grey scamy					
with coal	0	0	4				post, with water	3	0	0		
	•		-							ŏ		
Grey metal, with cat-	- 1	0	_				White and grey post		0			
heads	1	0	0				Whin girdles	0		0		
Black and grey metal	0	1.	6				White grey post	0	3	0		
Grey post	0	3	0				Black parting, mixed					
Grey metal stone, with							with coal	n	0	4		
							With come	•	0		ดา	0.10
post girdles and	,	0	0				0 11 11				21	0 10
water	1	3	0				Grey metal, with gir-					
White post, mixed							dles	0	1	6		
with whin	0	3	в				White scamy post	0	3	0		
Blue metal, with cat-							Grey metal stone	2	3	0		
	1	0	^					22	U	U		
heads	1	0	0				White and grey post,		_	_		
COAL, mixed with							with water	1	3	0		
black slaty metal	0	1	0				Grey and white metal					
·				11	0	4	stone, with water	2	0	0	A 180	
Grey metal	0	1	6				Black metal, with gir-	_	•			
Whin								0	0	0		
Willin	0	U	10				dles or catheads	0	2	0		
Grey and black metal,							COAL	0	0	8		
with catheads	2	1	0				Black metal, scared					
Black metal, with							with coal	0	0	4		
girdles or catheads	2	0	0				111111111111111111111111111111111111111				7	1 6
COAL Catheaus	_						T01		1	_	-	1 0
COAL	0	1	0				Blue metal		1	0		
	_		_	4	4	4	Grey metal stone	0	4	0		
Grey and black metal	0	2	6				White post	1	0	0		
COAL	0	0	6				Whin girdle		0	8		
Hard brown and grey							701	^	ĭ	0		
metal, mixed with							Blue metal		3	0		
		_					Grey scamy post	0	9	U	_	
coal	0	0	6				Blue and black scamy					
COAL	0	1.	4				metal, with catheads	0	3	0		
Brown metal, mixed							Black slaty metal	0	1	0		
with brass	0	0	2				Black metal, mixed					
								Λ	1	0		
COAL, with water	U	0	11	_	_		with coal	0	1	U		0 0
0 1 14			_	0	9	11				_	3	2 8
Grey and white metal	0	2	0				Grey and blue metal	3	0	0		
Blue metal, scared							White and grey metal,					
with coal	0	1	0				mixed with coal	0	0	8		
White metal	1							•		0		
Guar motal et '17	T	0	0				In white post girdles,	0	-	0		
Grey metal stone, with							mixed with whin	0	5	2	0	F 10
white post girdles	4	0	0								3	5 10
						—						
Carried forward	5	3	0	20	4	7	Total				56	3 5
						•				=	_	===

## No. 1,891.—STOBSWOOD.

TOWNSHIP OF STOBSWOOD, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. 55° 14′ 47″, Long. 1° 37′ 40″.

Account of Strata sunk through at Stobswood Colliery.

Approximate surface level 160 feet above sea (Ordnance datum).

	Fs. Ft. In.	Fs. Ft.	In.	D14 C	Fs.	Ft.	In.			
Soil and clay	$0 \ 1 \ 9$			Brought forward	٥	2	0	28	5	1
Blue metal and clay	$\begin{array}{cccccccccccccccccccccccccccccccccccc$			Seggar clay	0	2	U			
Blue metal	$\begin{array}{cccccccccccccccccccccccccccccccccccc$			Grey metal and post girdles	0	4	0			
Strong post girdles Blue metal	0 2 6			Black stone	0	3	0			
Soft grey post	0 5 0				_		Ü			
Blue metal	0 3 0			Ft. In						
COAL	0 0 8			Band 2 0						
		5 2	2	0041						
Seggar clay	0 2 0			COAL 1 2	0	3	6			
Blue metal	2 5 0						_	2	0	6
Grey post and whin	200			Grey metal and post					Ŭ	Ŭ
stone	2 1 8			girdles	2	0	0			
Grey metal	2 0 0			Whin stone	0	2	6			
Blue metal	2 0 0			White post	1	1	4			
White post	1 3 3			COAL	0	0	3			
COAL	0 0 3			Seggar clay	0	1	2			
Seggar clay	0 2 5			Grey metal and post			^			
Grey metal	0 3 0			girdles	0	3	0			
COAL	0 1 2	12 (	9	COAL	0	0	7	4	9	10
Socrem alar	0 2 2	12 (	9	Seggar clay	0	0	8	-	4	1.0
Seggar clay Grey metal and post				Grey metal	- 1	ĭ	0			
girdles	2 2 9			Blue metal	_		6			
COAL	0 2 1			Black stone	0		2			
	*	3 ]	L 0	COAL	Ω	2	0			
Blue metal	1 1 10							2	3	4
COAL	0 1 5			Seggar clay	0		8			
		1 3	3 3	COAL		_	4			
Seggar clay				Seggar clay			0			
Grey metal and post				COAL			2			
girdles COAL	0 0 0			Whin stone	1	_	7 5			
	0 0 0			Grey metal	1		9 8			
Seggar clay Grey metal	0 0 0						0			
Whin stone	0 1 0			Ft. In						
Grey post	1 1 10			COAL 1 9						
	0  1  6			Band 1 8						
Whin stone {	0 0 6		- *	COAL 4 C	. 1	. 1	5			
White post	. 1 5 0				1	. 1			A	. 3
COAL	. 0 1 7				_			4	4	, 5
		6	3 11							
								esta-17		
Carried fo	rward	28	5 1	Total				42	4	0
				•						

^{* (}Approximate sea level Ordnance datum).

### No. 1,892.—STONE BRIDGE.

### TOWNSHIP OF ELVET, DURHAM.

Sheet 26 of Ordnance Map. Lat.

, Long.

## Bored at the Stone Bridge, near Durham. 1740.

Approximate surface level feet above sea (Ordnance datum).

			Fs. Ft. In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown soil	0	1 0		Brought forward	9	4	0			
Channel	0	2 6		Open broken grey post,						
Brown stony clay	1	0 0		with water		1	3			
Soft sandy clay	0	4 0		Brown and grey post,		_				
Black stony clay				with brown and						
Sand and sandy clay,				black partings	2	0	0			
with water	0	3 0		COAL, soft danty	0	2	3			
Black stony clay				Grey and brown metal						
Soft brown post, with				Grey and brown metal				12	9	2
red and brown scamy								10	o	2
partings	9	2 0		1						
partings	2	2 0								
Camial farmand	0	4 0		Total				10		-
Carried forward	9	4 0		Total		• • •	_	13	3	2

## No. 1,893.—STONE BRIDGE.

TOWNSHIP OF ELVET, DURHAM.

Sheet 26 of Ordnance Map. Lat.

, Long.

### Second Hole at the same place.

Fs. Ft. In. Fs. Ft. In.	. Ft.	In.	Fs.	Ft.	In.
Soil and channel 0 1 6 Brought forward 11	3	0			
Soft sandy clay 0 4 0 Brown and grey post,					
	=	0			
Soft sandy clay and with scamy partings 2	9	U			
channel, with water 0 2 0 Brown and grey post,					
Soft sandy clay 1 1 6 with scamy partings					
Strong stony clay 4 4 0 and water 0	4	0			
	1	•			
metal 1 5 0 post, with scamy					
Black metal, brown partings 2	3	0			
and grey scames 2 0 0 COAL 0	2	1			
Brown and one and all	~	F.			
Brown and grey metal Brown and grey metal 0	U	7		_	_
stone 0 3 0		]	17	5	8
Carried forward 11 3 0 Total		1	17	5	8
10001		=			

## No. 1,894.—STOREY LODGE.

#### TOWNSHIP OF EVENWOOD, DURHAM.

Sheet 41 of Ordnance Map. Lat.

, Long.

An Account of Boring by G. Rawling Maddison on the South Side of Gaunless, above Evenwood, about 10 yards on the South Side of Cragg Wood, in Mr. Raw's Pasture, and about 216 yards from the Drift in the Yard Coal. February 13th, 1833.

Approximate surface level

feet above sea (Ordnance datum).

	-					_	
~				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil	0	0	9				Brought forward 14 1 6 19 4 6
Brown rambly post	1	4	^				Mixture of whin and
and water		4					white post 1 0 6
Grey and brown metal	1						Grey metal stone, with
Dark metal	0	2	0				white post girdles
COAL, with water,							and water 1 4 4
and set away the	_		•				T. 0
water	0	3	6			_	Five-Quarter Seam—
	_		_	4	1	3	Ft. In.
Grey metal	0	3	0				COAL 1 3
Grey metal stone and		1.					COAL, hard
whin girdles	8	0	9				splint 0 7
Brown post, with part-		_	_				COAL, strong
ings and water	2	1	0				coarse 1 7
Strong whitish brown							Dark metal
post, mixed with							band 0 5
whin girdles	0	4	0				COAL 0 3
Brown post, with part-							Grey metal,
ings, and set away							scared with
the water at 17 fs.							coal 1 0
1 ft.; got water							COAL 1 2
near the bottom	3	2	6				1 0 3
Grey metal stone, with							
post girdles	0	3	0				18 0 7
Soft blue metal, with							Dark grey metal 0 3 6
scares of coal	0	0	6				Grey metal stone and
COAL	0	0	6				post girdles 1 4 11
				15	3	3	Grey metal stone and
Strong grey metal							whin girdles 2 0 0
stone, with post							Black stone and strong
girdles		5					girdles 0 1 6
Soft dark metal	0	1	6				COAL, mixed with
Strong black stone	0	5	5				metal 0 1 0
Strong grey metal							4 4 11
stone and post gir-							4 4 11
dles	1		6				Grey metal 0 1 0
Brown post		1	7				Grey metal stone and
Strong scared white							post girdles 0 3 0
post and whin girdles		3	0				Grey metal stone and
Whin mixture, with							whin girdles 1 0 0
white post and gir-							Strong white post 0 2 6
dles		5	6				Whin girdles 0 0 6
Strong white post, with	1						Grey metal stone and
some whin girdles	,						whin girdles 3 1 6
and water	3	4	0				Softish grey metal 0 1 6
							3
Carried forward	14	1	6	19	4	6	Carried forward 5 4 0 42 4 0

## No. 1,894.—STOREY LODGE.—CONTINUED.

Fs. Ft. In. Fs. Ft. In. Brought forward 5 4 0 42 4 0  Main Coal Seam—	Fs. Ft. In. Fs. Ft. In. Brought forward 49 3 10
COAL, hard Ft. In. splint 1 3 COAL, strong 2 3 COAL, rather	In grey metal 0 0 4
tender and white ash 2 8 Dark band 0 2 COAL, foul near top, and white	
ash 1 6	Total 49 4 2

## No. 1,895.—STUBLICK.

### TOWNSHIP OF WEST QUARTER, NORTHUMBERLAND.

Sheet 93 of Ordnance Map. Lat. , Long.

Account of the Boring at High Stublick Colliery, about 600 yards to the South-west from the House. April 26th, 1757.

Black soil Stony clay, with beds of sandy channel			In. 0	Fs.	Ft.	In.	Brought forward 10 1 0 3 3 0 Brown and grey post, with water in some
with water	3	2	0				places 5 3 0 COAL 0 1 6
Grey metal stone, with	_			3	3	0	COAL 0 1 6
post girdles Brown and grey scamy		3	0				Grey metal and metal stone, with post
metal	0	1	0				girdles 1 3 0
metal Grey metal stone Dun and grey post	0	2	0				Blue metal, with some small scares of coal 0 4 0
Strong grey post Brown and grey post, with scamy partings	1	1	6				Grey post 0 5 0  Blue and grey scamy stone, with post gir-
and water	2	4	6				dles 0 4 0
White thready post, and set away the							Grey and white post 2 4 0 Blue and grey metal 0 1 3
water	0	4	0				COAL 0 1 6
							6 4 9
Carried forward	10	1	0	3	3	0	Carried forward 26 1 3

## No. 1,895.—STUBLICK.—CONTINUED.

					Ft.		Fs. Ft. In. Fs. Ft. In.
Brought forward				26	1	3	Brought forward 2 4 3 26 1 3
Black metal, scared							Black slaty metal,
with coal		0	6				mixed with coal 0 0 6
Grey metal							Strong grey metal
Strong white post	ñ	3	ŏ				stone, mixed with
Blue metal stone							coal 0 4 6
Strong white post	U	T	9				White post, with water 1 1 6
Whin	0	0	6				Whin 0 0 7
Black and grey slaty							4 5 4
metal, with post							
	Λ	4	c				
girdles	U	4	U				
-				-			
Carried forward	2	4	3	26	1	3	Total 31 0 7
	_	_	_		_		

## No. 1,896.—STUBLICK.

### TOWNSHIP OF WEST QUARTER, NORTHUMBERLAND.

Sheet 93 of Ordnance Map. Lat. , Long.

Second Place bored at High Stublick Colliery, about 60 yards to the N.N.E. from the First Place. June 20th, 1757.

G. 21 1 . t				Fs. Ft. I	In.	Dunnaht Command		Ft.		Fs.	Ft.	In.
Soil and stony clay	1	0	9			Brought forward	9	Т	О			
Sand and channel,		_				Brown and grey post,						
with water					- 1	with scamy partings						
Blue and stony clay	0	3	9			and water	4	3	6			
Brown and grey scamy						COAL	0	1	6			
metal, with girdles										14	0	6
or lumps	1	0	0			Grey and blue metal					-	
Brown post, with	1	U	0			and metal stone,						
						and metal stone,	9	9	9			
scamy partings and						with post girdles White and grey post	9	4	0			
water which rose to			_			White and grey post	T	5	8			
the top	4	0	0			Blue and grey metal						
Strong white post, with						stone	0	4	0			
water	0	3	0			Blue metal	0	1	6			
Brown and grey scamy						COAL, but rather						
post, with metal						foul near the bottom	0	1	8			
					- 1	Tour near the bottom	0	_	O	6	3	1
partings near the	1	0	0			D11				U	o)	
botiom	1	9	U			Black metal, scared		_	_			
						with coal						
						In grey metal	0	2	0			
										0	2	7
											_	
Carried forward	9	1	6			Total				21	0	2
		_				20002			=		_	-

## No. 1,897.—STUBLICK.

## TOWNSHIP OF WEST QUARTER, NORTHUMBERLAND.

Sheet 25 of Ordnance Map. Lat.

, Long.

Third Place bored at High Stublick Colliery, about 300 yards to the Eastward from the First Place. September 16th, 1757.

				Fs.	Ft. ]	In.					Fs.		
Peat moss	0	2	0				Brought forward				12	1	10
Brown gravelly clay,		_					Strong white post	0	0	9			
mixed with ramble	0	5	6				Grey metal stone, with						
Brown and grey post,							black scamy part-						
with soft rambly	_	_	_				ings and a hard	,	_				
partings and water		3						0					
COAL, soft	0	0	9				COAL	0	0	4			
				4	0	0					3	3	10
Commental and metal													
Grey metal and metal stone, with post							Black grey metal,						
girdles post	1	0	0				scared with coal		1				
Soft blue metal with		U	U				Grey metal stone		2	0			
girdles or lumps,							White post, with water	1	4	6			
with water, and set-							Grey metal stone	1		0			
tled the top feeders	0	3	0				White post		1	0			
Grey and blue metal,	U	9	U				COAL	0	2	3			
2.2	0	4	0								4	5	0
Grey post, with scamy	U	-30	U				1				_	Ĭ	_
	2	4	3				Grey metal	0	1	6			
whin mixture	^	4	0				Strong grey metal						
White post		3	9				stone, with post						
Brown and white post		2	3				girdles	1	3	0			
White post, with water		3	4				White post, with mix-						
Jet	0	0	1				ture whin girdles	2	4	0			
COAL, with a small	·	·					White coal pipy post,						
slaty lump or scare							with black partings						
bands near the							and water		4				
middle	0	1	2				Grey metal	-	4	0			
	v	_	_		-	10	Black metal		0	4			
				8	1	10	COAL	0	2	7			
Black metal, mixed								_			6	1	11
with coal	0	0	3										
Blue metal	0	3	0				Blue metal	0	1	0			
Grey metal stone, with	•	U	•				Blue metal stone, with						
post girdles and							girdles or lumps	1	2	0			
water	1	4	0								7	0	0
Strong white post,	1	-10	J						_	_	1	3	0
mixed with whin	0	3	0										
Whin	0		10										
	_												
Carried forward	2	5	1	12	1	10	Total				28	3	7
l l l l l l l l l l l l l l l l l l l										-	_		

## No. 1,898.—STUBLICK.

TOWNSHIP OF WEST QUARTER, NORTHUMBERLAND.

Sheet 93 of Ordnance Map. Lat.

, Long.

Account of Strata sunk through at Stublick,  $5\frac{1}{2}$  miles S.W. of Hexham.

Approximate surface level feet above sea (Ordnance datum).

Soil and rubble				Fs.	Ft.	In.	Brought forward 0 2 0 11 2 5
Grey metal stone, with girdles and water White and grey gul- lety post (set away	3	2	0				COAL 0 7 COAL, foul 0 3 Grey metal 0 9
the water)	<b>3</b> 0	5 2	0 4	9	1	4	COAL, with white spar 0 5
Grey metal, with gir-				ð	1	-32	0 4 (
dles Grey metal COAL	1 1 0	0	0	2	1	1	Grey metal 0 2 0  Light grey post 1 1 1  Blue grey metal 0 2 0
Grey metal	0	2	0	~	-		White post, mixed with whin 0 1 0 Soft sandy white post 1 1 0 Dark grey metal 0 5 6
•							COAL, with white scares 0 0 2
Carried forward	0	2	0	11	2	5	Total <u>16 1 2</u>

## No. 1,899.—STUBLICK.

TOWNSHIP OF WEST QUARTER, NORTHUMBERLAND.

Sheet 93 of Ordnance Map. Lat.

, Long.

### Section of Stublick Colliery.

	Ft.	In. l	Fs.	Ft.	In.	•	Fs.	Ft.	In.	Fs.		In.
Clay 1	3	0				Brought forward				20	5	9
Calm sill 6	5	3				Blue metal	0	3	5			
Millstone grit 5	3	0				Post	0	4	1			
COAL 0	0	9				Post girdles	0	5	2			
		_ 1	14	0	0	Post	3	5	7			
Thill 0	5	2				COAL - Yard Seam	0	2	4			
Grey metal 1	5	0								6	2	7
Post 4	0	5				Post	2	1	0			
COAL-Cannel Coal 0	1	2				Post girdles	1	4	0			
			6	5	9	Post	0	4	5			
Carried forwa	rd	2	20	5	9	Carried forward	4	3	5	27	2	4

## No. 1,899.—STUBLICK.—CONTINUED.

Brought forward	Fs. Ft. 4 3	In. Fs. 5 27	Ft. In.	Brought forward	Fs. Ft		Fs. 42		In. 11
Blue metal	0 5	7			0 4			_	
COAL-3/4 Seam	0 2	6		Post	1 5				
OOKE S/1 Stam		5	5 6	Blue metal and iron-		0			
Post	0 1	_ ~		stone	3 2	0			
Blue metal		ő		COAL - Little Coal					
COAL — Main Coal	0 3			Bitte Cour	0 1	0			
COAL - Main Cout	0 0	_ 4	1 2				6	1	6
Thill	0 3	0	1 2	Post	1 0	6			
70 1	0 2	8				6			
	0 4	6		COAL - Stone Coal					
		8		30112					_
Blue post							3	2	0
Metal and iron	3 0	0							
COAL - Foot Seam	0 1	1							
		5	1 11						
Carried for	ward	42	4 11	Total			52	2	5
				1		=	_		_

## No. 1,900.—SUNNISIDE.

### TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 25 of Ordnance Map. Lat.

, Long.

Strata sunk at Sunniside Colliery. October 19th, 1846.

	Fs. Ft. In. Fs. Ft. In.		Fs. Ft. In.	
Soil	0 1 0	Brought forward		11 2
Clay	1 0 0	Blue metal	1 5 10	
Gravel	1 4 0	COAL—Top Coal	0  2  0	
Blue clay	1 4 0 1 3 8 0 2 0 2 3 7			6 3 3
Gravel	0 2 0	Thill	0 3 10	
Grey metal		COAL	0 0 11	
Grey post, with water	0 1 0			0 4 9
Grey metal	0 2 10	Thill	0 5 3	
COAL—Ballarat or		Black stone	0  0  3	
Top Busty Seam	0 1 10	Blue metal	4 2 10	
	8 1 11	Post, with metal part-		
Thill	0 3 10	ings	1 0 0	
Grey post	0 5 6	Dark metal	1 1 0	
Grey metal	0 5 8	Main Coal or Brock-		
COAL-5/4 or Bottom		well Seam—		
Busty Seam		Ft. In.		
U	3 0 10	COAL, good 3 9		
Thill	0 4 5	COAL, splint 0 3		
Grey metal, with post			0 4 0	
girdles	1 2 0			8 1 4
drey post, with water	0 4 0	Thill and post		2 0 (
Grey metal	1 3 0			_ ` `
Carried forward	4 1 5 11 2 9	Total		29 0 1
			=	

## No. 1,901.—SUNNISIDE.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 93 of Ordnance Map. Lat. 54° 44′ 56", Long. 1° 46′ 15".

Section of Strata sunk through in the New Sunniside Pit, Pease's West Collieries. 1867.

Approximate surface level 810 feet above sea (Ordnance datum).

Clay 4 2 6 Brought forward 1 3 8 15 Soft blue metal 1 0 5 Hard post 2 3 8	t. In.
	7 1 1 7
	10
5 4 0 COAL 0 1 1	
	5 5
COAL 0 0 8 Strong seggar 0 3 0	
1 0 8 7	
Mild seggar U 5 2	
11	
	3 5
0 = 0	
DI 11 0 1 0	
Doll metal	
Post 0 3 0 COAL - Main Coal	
Soft blue metal 3 5 0 Seam 0 3 10	
COAL—Ballarat or ———— 8	5 4
Top Busty Seam 0 1 10 Dark seggar and iron-	
4 5 2 stone 1 4 0	
Blue metal 1 4 3 Metal and post girdles 0 3 0	
2210 1110 1110 1110 1110 1110 1110 1110	
2 1 0 Dark metal 0 2 6	
Seggar 1 0 0 Strong post 0 4 8	
Metal 0 3 8	0 8
	_
	3 8
Carried forward 1 3 8 15 0 10 Total *37	0 0

^{*} Approximate sea level 584 feet 4 inches below this.

### No. 1,902.—SUNNISIDE.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 25 of Ordnance Map. Lat.

, Long.

Account of a Boring upon Sunniside, near Hedley Hope. July 14th, 1836.

Approximate surface level feet above sea (Ordnance datum).

Clay Fs. Ft. In. Fs. Ft. In. Black stone, with	Brought forward 6 3 8
water 1 0 0	Grey metal 0 4 0 COAL 0 1 10
Grey metal 0 3 0	7 3 6
White metal 1 2 2	Grey thill 0 1 8
Strong white post 0 4 6	Strong blue stone 3 1 4
0 110 1 0 0 0	
Carried forward 6 3 8	Carried forward 3 3 0 7 3 6

## No. 1,902.—SUNNISIDE.—CONTINUED.

	. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 3 3	0 7 3 6	Brought forward 0 5 0 27 5 2
Strong post girdle,		Strong white post
with water 0 1	6	girdles 1 0 0
	10	Strong blue stone, with
COAL 0 0	8	water 0 5 0
	6 0 0	Blue stone 1 2 0
Grev metal, with water 0 2		0 1 0
		COAL
Children posterior	-	
Daile Groj moter		O 41:11 0 9 10
Shivery post 0 2		Grey thill 0 3 10
Strong white post 2 2		COAL, danty 0 2 0
Shivery post 0 2	-	0 5 10
Grey metal 0 0	10	Grey metal 0 3 9
Ft. In.		Strong white post,
COAL 3 5		with water 6 4 0
Band 0 5		Grey metal 1 3 3
COAL, splint 0 7		COAL 0 3 2
0 4	5	9 2 2
V	6 2 9	Grey metal 2 0 6
Thill 0 1	0 2 3	Shivery post, with
		0.20
		water 0 3 0
Grey metal 0 3	5	White post, with water 0 1 4
COAL 0 1	1	Grey metal 0 3 6
	1 0 8	Dark post 0 2 8
Grey metal 2 0	0	Grey whin 0 0 6
Grey post 2 0	0	Shivery post 0 5 6
Black stone 0 0	4	Grev whin 0 1 3
COAL 0 2	0	Dark grey metal 0 3 0
	_ 4 2 4	White post 0 2 4
Grey thill 0 0		0 11 1 1 1 1
D1 1 4 0 1		D1 1 4
		T 1 0 0 2
Strong post girdles 0 0		Didde Stone III III o = =
Blue stone 0 2		Grey metal 1 3 9
Grey post 0 1		COAL 0 2 7
COAL 0 3	_	10 1 11
	2 1 11	Grey thill 0 1 11
Black stone 0 1	3	Shivery post 0 3 7
Grey metal 0 3	9 -	Strong white post 0 4 0
		1 3 6
Carried forward 0 5	0 27 5 2	Total 54 3 7
Jarrica Iornara 0 0	0 21 0 2	10tal 5± 5 7

## No. 1,903.—SWARLAND.

### TOWNSHIP OF SWARLAND, NORTHUMBERLAND.

Sheet 45 of Ordnance Map. Lat. , Long.

An Account of Strata bored through at Swarland Hall. No. 1 Borehole at bottom of large Cistern. By Edward Wilkinson.

		1	0	7	Brought forward Hard post Grey metal		$\frac{2}{0}$	1	10 7	Fs. Ft.	In.
Carried	forward	2	1	10	Carried forwar	rd	3	1	9		

## No. 1.903.—SWARLAND.—CONTINUED.

No. 1,90	3.—SWAI	KLAND.—	CONTINUED.	
Brought forward 3 1 Light grey post 0 1 Grey metal and post 0 0 White post 0 0 Grey post 0 0 Blue metal 0 3 White post 0 1  Carried forward 5 2	In. Fs. Ft. In. 9 8 7 9 8 4 5	Bro Hard gre Blue met Hard pos Blue met	al 0 3 10 st 2 0 1	1 11
OMITICA TOT WAR O	- `	· <b>'</b>		
	No.	1,904.		
	No. 2	Borehole.		
Loamy sand, with wa	•••		Fs. Ft. In. Fs. Ft. In 0 1 0 0 2 6 0 5 6 1 1 0	
Hard post Blue metal			0 1 0 0 0 2 6 4 3 6	
	Total	***	4 3 6	
	No.	1,905.		
	No. 3	Borehole.		
Sand and water Clay and stone			Fs. Ft. In. Fs. Ft. In 0 2 6 0 3 6 0 1 7 0 1 7 0 4 6 0 3 10 0 3 10	
	Total		2 5 6	
				- 4
	- No	. 1,906.		
	No. 4	Borehole.		
Soil and clay Clay Sand and water Clay Large tumbling ston	   es		Fs. Ft. In. Fs. Ft. In 0 2 0 0 4 0 0 0 9 0 3 0 0 4 8 0 4 8	
	Total	•••	2 2 5	

## No. 1,907.—SWARLAND.

No. 5 Box	rehole.
-----------	---------

Clay Freestone	 				Fs. Ft. In. 1 0 10 0 5 6		Ft.	In.
					 		0	4
		Total	•••	•••	 •••	2	0	4

## No. 1,908.

## Borehole No. 5A.

	Fs. Ft. In. Fs. Ft.	In. Fs. Ft. In. Fs. Ft. In.
Tumbling stones and		Brought forward 11 4 0
sand		
Blue and grey metal	1 0 0	Blue post 0 5 3 Iron girdle 0 0 11
White post	0 2 0	Blue metal 0 0 6
Grey metal	1 3 0	Very hard freestone
Grey metal Grey post	0 5 0	post 0 2 9
Grey metal	0 3 0	Grey post 0 4 0
Blue metal and girdles	1 4 6	Grey post 0 4 0 Blue metal 2 5 1
White post	0 5 3	Whin and water at
Blue metal	0 5 3	top (13 gallons per
Yellow sandstone and		minute) 1 2 0
a little water	2 2 0	minute) 1 2 0 Blue metal or shale 0 1 2
Blue metal		18 1 8
Carried forward	11 4 0	Total 18 1 8
Carried forward	11 7 0	10tal 18 1 8

## No. 1,909.

Clay Freestone			No. 6 Borehole.	Fs. Ft. In 1 1 0 0 4 6	
	,		=		1 5 6
			No. 1,910.		
0.0			No. 7 Borehole.		Fs. Ft. In.
Clay	•••	•••	*** ***	•••	1 0 10
			No. 1,911.		
			No. 8 Borehole.		Fs. Ft. In.
Clay	•••			•••	1 1 0
			No. 1,912.		
			No. 9 Borehole.		W. W. Y.
					Fs. Ft. In.

D D

Clay ...

## No. 1,913.—SWARLAND.

			No. 10	Bore	hole.		77. 77. T	77. 79. T.
Clay			•••		•••	•••	0 4 4	
Freestone	***	•••		•••		•••	0 4 8	
Blue metal	•••	***	•••	•••		•••	0 2 10	1 5 10
		Total	***	•••	•••	•••	•••	1 5 10
			No	1,91	1			
			No. 14	Bore	hole.		T- T- T-	T3. T74 T
Loamy sand,	with a	little	water				1 0 (	i. Fs. Ft. In.
Freestone	•••	•••	•••	•••	•••		1 1 0	
Blue metal	•••	•••	•••	***	•••	•••	0 4 (	2 5 0
			,					
		Total						2 5 0
			NT.	1 01	_			
			INO.	1,91	).			
			No. 15	Bore	hole.			
Loam and gr	avel. w	ith a li	ittle wa	ter	•••			Fs. Ft. In. 1 4 0
2304111 14114 81					•••			
			Ma	1 01/	,			
			110.	1,91	).			
			No. 16	Bore	hole.			
Clar							Fs. Ft. In 0 3 8	. Fs. Ft. In.
Clay Loamy sand,	with a	little	water		•••		0 5 4	
Freestone		•••		•••	•••	•••	1 0 0	
Blue metal	•••	***	•••	•••	•••	•••	0 2 10	2 5 10
								2 5 10
		Total		***				2 5 10
			NT.	1.017	7			
			No.	1,917	۱.			
			No. 17	Bore	hole.		Do Dt In	. Fs. Ft. In.
Clay							0 2 0	
Loam and tu	mbling	freest	one	•••	•••	•••	1 4 0	
								2 0 0
		Total					•••	2 0 0
			No	1,918	3.			
			No. 18	Borel	iote.		Fs. Ft. In	Fs. Ft. In.
Clay		· · · ·	•••		•••		0 3 0	
Loam and tur	nomg	reesto	one	•••	•••		1 5 2	2 2 2
		Total						2 2 2
		Total			•••	• • •	•••	~

## No. 1,919.—SWARLAND.

#### TOWNSHIP OF SWARLAND, NORTHUMBERLAND.

Sheet 45 of Ordnance Map. Lat. 55° 19' 25", Long. 1° 45' 1".

An Account of Strata bored through at Swarland Hall, at the Pond West of Saw Mill.

Approximate surface level 510 feet above sea (Ordnance datum).

Soil and clay White freestone Yellow freestone Dark marl stone		 	 	$\begin{array}{ccc} 1 & 4 \\ 6 & 4 \end{array}$	In, Fs, Fo 0 0 6 6 6 — 10 3	0 0	
	Total	 •••	 		*10 3	0	

^{*} Approximate sea level 447 feet below this.

### No. 1,920.—SWINDON.

TOWNSHIP OF HEPPLE DEMESNE, NORTHUMBERLAND.

Sheet 43 of Ordnance Map. Lat.

, Long.

Swindon Colliery, near Hepple, six miles West of Rothbury.

Yellow freestone COAL	Fs. Ft. In. 4 0 0 0 1 0	Fs. Ft. In.	Brought forward 1 5 0 6 5 0  Blue metal 1 0 0
0		4 1 0	White stone 0 1 8
	1 0 0		Blue metal 0 4 0
	0 3 0		Beddy freestone 1 0 0
Light blue metal	1 0 0		Black stone, mixed
Ft. In.			with coal 0 2 0
COAL 0 2			Ft. In.
Ironstone or			COAL 0 8
lizard stone 0 8			"Chick stone,"
COAL 0 2			very hard 0 6
	0 1 0		COAL 0 9
		2 4 0	White metal 1 0
Grey metal	0 2 0		COAL 0 10
Grey stone			0 3 9
Light blue metal	0 3 0		5 4 5
Ironstone or lizard			
stone	0 2 0		
			10.0 %
Carried forward	1 5 0	6 5 0	Total 12 3 5

## No. 1,921.—TALKIN.

### TOWNSHIP OF HAYTON, CUMBERLAND.

Sheet 18 of Ordnance Map. Lat.

, Long.

### Sinking Account of the Blackside Pit, Talkin Colliery.

Approximate surface level feet above sea (Ordnance datum).

Soil, clay, etc. Plate and shale Strong freestone Plate and shale Freestone Plate and shale Limestone	 2	0 0 4 0 2 3	0 0 0 0 4 7	Fs. Ft.	In.	Brought forward 24 2 11 Plate and strong shale 1 4 0 Freestone 3 0 0 Strong grey plate 2 3 0 COAL 0 3 3 32 1 2
Carried forwa		2	_			Total 32 1 2

## No. 1,922.—TALKIN.

#### TOWNSHIP OF HAYTON, CUMBERLAND.

Sheet 18 of Ordnance Map. Lat.

, Long.

### Sunk and Bored at the Dove Pit, in Talkin Colliery.

Sunk:— Clay, mixed with tumbling stones	5	0	0	Fs.	Ft.	In.	Brought forward 10 2 6 13 1 0 Brown post 0 2 6 Grey post girdles 0 3 4 Brown post girdles 0 5 0	
Blue plate Brown post girdles	Ô	i	0				Blue metal 0 1 0	
Blue metal stone	6	5	ŏ				Grey post girdles 0 1 6	
				13	1	0	Blue plate 4 4 8	
Bored :-							Limestone, with gul-	
Strong dun white post	0	4	0				lets 2 0 0	
Blue plate	. 3	0	10				Add error 0 0 6	
Strong dun post							Yellow post girdles 0 1 6	
Blue plate							COAL 005	
Strong brown post							19 4 11	
Strong yellow post	0	4	1				Grey thill 0 1 6	
Cashy parting, 3 ins.							Blue plate 1 0 8	
brown post, with		_	_				COAL - Craw Coal 0 0 8	
rellow gallets							1 2 10	
White post girdles	0	2	9					
Carried forward	10	2	6	13	1	0	Carried forward 34 2 9	

### No. 1,922.—TALKIN.—CONTINUED.

Broug Blue plate Grey plate Blue plate Grey plate	•••		0 0 0 0	1 5 1 2	0 0 6 7	34		In. 9	Brought forward 1 5 9 34 2 9 Grey plate 0 3 0 Blue plate 2 3 2 COAL 0 3 4 5 3 3
Blue plate Carrie	 d forwa	 ırd			_	34	2	9	Total 40 0 0

## No. 1,923.—TALKIN.

TOWNSHIP OF HAYTON, CUMBERLAND.

Sheet 18 of Ordnance Map. Lat.

, Long.

Section of Strata lying below the Talkin Coal, at Croglin Fell.

Approximate surface level feet above sea (Ordnance datum).

r ·					In.	Fs.	Ft.	In.	1	D	Fs.	Ft.			Ft.	
Limeston			7	0	0					Brought forward				22	1	3
Sandston	ie		3	0	0				1	Coarse gritty red sand-						
Plate		•••		3	0					stone	3	0	0			
Yellow I	imestone		5	0	0					Plate	2	3	0			
Coarse	gritty s	and-								Black limestone	0	5	0			
stone			2	0	0					Sandstone	5	0	0			
Plate	***		1	3	0				1	Plate and limestone	3	3	0			
COAL	(worked	at								Whin or basalt	3	0	0			
Crogli	n for bur	ning								Black limestone	6	4	0			
lime)			0	1	3				-	Freestone	1	3	0			
· '					-	22	1	3		Into limestone.				26	0	0
								-								
	Carrie	d for	war	d		22	1	3		Total				48	1	3
													=	_		

### No. 1,924.—TALKIN.

TOWNSHIP OF HAYTON, CUMBERLAND.

Sheet 18 of Ordnance Map. Lat.

, Long.

Bored at Blacksike, South of Turnpike, in Talkin Colliery.

The state of the s	
Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Box, etc 3 0 0	Brought forward 4 1 0
Brown and grey post 0 5 0	Brown and grey post 0 2 0
Grey metal, with post	Brown and grey post 0 2 0 Grey metal, with gir-
Grey metal, with post	orey metal, with gir-
girdles 0 2 0	dles 3 3 0
gridles U 2 U	0 0 0
	***************************************
0 116 1 4 1 0	Carried forward 8 0 0
Carried forward 4 1 0	Carried forward 8 0 0

## No. 1,924.—TALKIN.—CONTINUED.

		_									
Down what formered				Fs. Ft. In.	D				Fs.	Ft.	In
Brought forward			0		Brought forward						
Brown post	U	4	0		Grey metal stone						
Whin gullet	U	1	0		Gullety limestone	3	1	6			
Brown post	1	2	6		Blue grey metal stone	0	5	3			
Grey metal, with lumps					Ft. In						
or girdles	1	4	0		COAL 1 2						
Brown and grey gul-					COAL, foul 0 3						
lety post, and set						0	1	5			
away the water	0	1	0						26	0	2
Strong white post	0	1	8	1	Grey metal	0	0	3			
Strong white post,					Strong grey post gir-						
mixed with whin	0	0	9		dles, with metal						
A metal parting					partings	0	4	0			
Strong white post,	-	_	_		A metal parting	Ô	ō	6			
mixed with whin	0	0	9		Strong whin	ŏ	ĭ				
Strong metal stone,	Ŭ	Ŭ	·		Strong post girdles,		_	G			
with whin	2	2	0		with metal partings		9	B			
Strong motal stone	ñ	2	2		Strong whin						
Strong metal stone Strong whin	0	1	3					6			
A madel manting	0	0	6		A parting		U	0			
A metal parting	U	U	O		Strong white post,		0	-			
Strong white post,	0		0		mixed with whin		2	7			
mixed with whin			6		Strong grey metal		_				
Strong whin	0	2	7			2					
A metal parting	0	0	9		COAL	0	3	3			
Strong whin	0	0	6						6	2	7
Strong post, with part-					In grey metal				0	1	5
ings	0	4	7								
									***********		
Carried forward	17	4	0		Total				32	4	2
								=			-

## No. 1,925.—TANFIELD.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of Strata at East Tanfield Colliery. 1844.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Soil 0 1 0	Brought forward 3 1 6 10 2 7
Strong blue clay 3 2 3	Grey post girdle 0 0 11
Gravel and tumblers 1 0 0	Blue stone 0 1 8
Quarry freestone 3 1 6	Grey post girdle 0 0 8
Soft blue stone, very	Black stone 0 0 7
shivery 1 0 6	Low Main Seam—
Hutton Seam- Ft. In.	Ft. In.
COAL 6 2	COAL 3 8
Band 0 2	Band 0 2
COAL, coarse 3 0	COAL 0 6
1 3 4	0 4 4
10 2 7	<del> 4 3 8</del>
Thill stone 0 1 6	
Grey metal 3 0 0	
	•
Carried forward 3 1 6 10 2 7	Total 15 0 3
- Carried forward 3 1 0 10 2 7	10tal 15 0 5

### No. 1,926.—TANFIELD.

### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 53′ 24″, Long. 1° 41′ 50″.

Account of Strata sunk through in Engine Pit to Busty Bank Seam, East Tanfield Colliery.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Soil 0 1 0	Brought forward 9 0 3 28 4 11
Clay and tumbling	White post, with water 0 1 3
stones 0 5 8	Blue metal 0 0 6
Freestone, with metal	White post, with water 0 1 7
partings 8 2 8	Grey post, with metal
Top blue stone 1 0 4	partings 2 4 1
Hutton Seam- Ft. In.	Black stone 0 2 3
COAL 6 4	COAL 0 2 0
COAL, coarse 3 0	12 5 11
1 3 4 $$ 12 1 0	Dark seggar clay 0 0 10
	Light seggar clay 0 1 10
	Strong white post 0 3 0 Post and metal part-
Grey post girdles 0 0 11	ings, with whin balls 1 0 8
Soft blue stone 0 1 8	Blue metal 0 3 4
Post girdles 0 0 9	COAL 0 0 11
Black stone 0 0 6	Grey metal $0 3 0^2$
Low Main Seam—	Whin girdle 0 1 9
Ft. In.	Grey metal, with whin
COAL 3 8	and post 3 4 9
Band 0 2	White post 1 2 3
COAL, coarse 0 6	Metal 0 1 9
- 0 4 4	Ft. In.
Fire class 4 4 0	COAL 1 0
Fire clay 0 5 0	Band 0 1½
	$\begin{array}{ccccc} \textbf{COAL} & \dots & 0 & 1\frac{7}{2} \\ \textbf{Band} & \dots & \dots & 0 & 1 \end{array}$
Blue metal, with iron 0 0 10	0041
White post 0 3 0	COAL 1 0 0 2 4
Blue metal 0 2 0	
Post 0 5 9	Dark seggar clay 0 3 8
Blue metal 0 1 6	COAL 0 0 4
Post, with much water 3 5 5	Dark grey metal 0 2 6
COAL 0 1 1	White post 0 4 3
	<b>COAL</b> $0 \ 0 \ 5\frac{1}{2}$
Thill stone 0 1 3	Band 0 0 4
Post 0 0 6	COAL, slaty $0   0   6\frac{1}{2}$
Blue metal, with iron 2 4 8	2 0 1
Post 0 1 0 Blue metal 1 5 5	Dark thill stone 0 2 1
S	Post 4 0 0
Compare mant	Busty Bank Seam—
Whin 1 2 7	COAL 2 9
Post 0 3 1	Seggar clay 1 1½
Grey metal 0 0 10	COAL 0 41
Post 0 2 1	Grey metal 2 4
Grey metal 0 1 1	Post 1 6
Post 0 2 9	COAL 2 7
Blue metal 0 1 0	1 4 8
	6 0 9
Carried forward 9 0 3 28 4 11	Total #50 1 01
201 mara 0 0 0 20 4 11	Total *59 1 3½
* * * * * *	1 2 2 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

^{*} Approximate sea level 125 feet below this.

## No. 1,927.—TANFIELD.

#### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Strata bored through from the Busty Bank Seam, at East Tanfield Colliery.

December 3rd, 1859.

Approximate surface level feet above sea (Ordnance datum).

Depth to Bust	u Bank	Seam				Fs.	Ft.	In. 1	Fs.	Ft.	In.
Seggar clay			•••			0	1	6			
Hard white po	st			•••		10	0	5			
Black stone		•••	•••			0	1	6			
					Ft. In.						
COAL		•••			2 4						
Splint			•••		0 6						
						0	2	10			
								- 1	11	0	3
								-			-
			Total					7	70	2	3

## No. 1,928.—TANFIELD.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Boring Note at Tanfield Lea, in Mr. Spearman's Ground, on the side of the Hill to the North of the Hall. 1732.

Approximate surface level

feet above sea (Ordnance datum).

Soil and channelly Fs. Ft. In. Fs.	Ft. In.	Fs. Ft. In. Fs. Ft. In. Brought forward 10 2 0
clay, with water 1 0 0 Soft clay, mixed with		COAL 1 8
sand 2 0 0 Sandy gravel 0 3 0		Black slate,
Sandy gravel 0 3 0		mixed with
Stony clay 4 3 0		coal 1 2
Sand, with some water 0 2 0		Blue metal 2 6
Stony clay 1 3 0		COAL 1 6
Stony clay 1 3 0 Brown ramble 0 3 0		Black metal, mixed with
,		coal 1 4
		<u> </u>
		11 4 2
		In brown and grey metal stone 1 4 0
Carried forward 10 2 0		Total <u>13 2 2</u>

### No. 1,929.—TANFIELD.

#### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Bored at Tanfield Leigh, in the middle of a Bank North of the Hall. 1732.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In. Brought forward 12 1 0
with some water 3 3 0	Grey metal 0 4 0
Post girdles and gra- vel partings, and	COAL 6 2
set away the water 0 3 0	Black metal 0 5
Open brown and red	COAL 0 9
post, with black and	1 1 4
brown partings 5 0 0	<del></del>
Brown and grey metal 0 3 0	Blue metal 0 0 5
Soft brown and grey	
post with blue part-	
ings, with water 2 4 0	
Carried forward 12 1 0	Total 14 0 9

### No. 1,930.—TANFIELD.

#### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Bored at Tanfield Lea, in Mr. Spearman's Ground, near the Lane in the Bottom. November 20th, 1733.

Brown soil			. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In. Brought forward 12 1 6
Brown stony gravel Brown and black stony		2 (		COAL 0 6
clay Brown scamy post,	5	4 (	1	A hard lump or girdle 0 1
with grey girdles Open brown scamy	2	1 6	1	COAL 5 5 Grey metal,
post, and set away the water	1	2 (		mixed with  coal 0 3
Brown and grey scamy				COAL 1 3
metal	Z	1 (	•	In grey metal 0 0 3
			-	13 3 3
Carried forward	12	1 6	5	Total <u>13 3 3</u>

## No. 1,931.—TANFIELD.

#### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Bored at Tanfield Leigh, South-east from the Hall. 1735.

Approximate surface level feet above sea (Ordnance datum).

Soil and brown clay		In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In. Brought forward 10 2 0
Blue stony clay, mixed with sand	6 0	0	COAL 5 3
Grey and brown sandy ramble, with water that rose 3 fathoms			Black and grey metal 0 3
in the hole White and brown	0 5	0	COAL, foul 0 9 COAL 1 0
sandy post girdles, with sandy partings			Grey metal 0 0 9
and water	2 4	6	
Carried forward	10 2	0	Total <u>11 4 0</u>

## No. 1,932.—TANFIELD.

#### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Boring in Mr. Spearman's Ground, in the North-east part, near Mr. Davison's Ground.

> Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. Fs. Ft. In. Fs. Ft. In. Soil and channel, with Brought forward 4 0 water 1 Open brown post with Clay 0 water, and set away Sand, with water 0 0 1 the top leaders ... Brown and grey post Grey and brown post, Gravel 2 3 0 Sandy ramble 0 3 0 0 A grey girdle with metal partings Grey and brown ramble 0 1 2 2 0 Grey and blue metal Brown and grey post, COAL 1 6 with partings In grey thill... 0 0 3 13 0 Carried forward Total ... 0 3 13

### No. 1,933.—TANFIELD.

### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Boring in the Springwood, near Tanfield Leigh, for the use of G. Spearman, Esq. April 13th, 1742.

Approximate surface level feet above sea (Ordnance datum).

Soil and sand, with water Brown and blue stony clay Sand and channel, with water Brown and blue stony clay Grey metal COAL, soft	0 2 0 3 0 3 5 2 0 0	6 0 0 6 3	Fs. Ft. In.	Brought forward 3 0 0 6 5 9  White post, with water 3 4 0  Grey stone 0 0 4  Shield Row Seam—  Ft. In.  COAL, with water 5 0  Grey metal 0 2  COAL, mixed
Soft grey metal White and brown scamy post, with water White and brown gullety post	1 3	0	0 · 0 · 0.	with grey metal 0 9 COAL 1 0 1 0 11 7 5 3 0 1 2
Carried forward	3 0	0	6 5 9	Total <u>15 0 2</u>

### No. 1,934.—TANFIELD.

### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of the Boring in Tanfield Leigh Ground. October 23rd, 1754.

Soil and brown clay	•••	0 0 1	1	6	Fs. 2	Ft.	In. 0	
Total	,				2	3	0	

### No. 1,935.—TANFIELD.

### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of the Boring in Springwood, Armstrong's Low Field, near Tanfield Leigh.
October 31st, 1754.

Approximate surface level feet above sea (Ordnance datum).

0.01	Fs. Ft		Fs.	Ft.	In.	D			In.			
Soil and sandy clay	1 0	0				Brought forward				13	I	8
Stony clay	1 0	U				White and grey post	U	3	0			
Sandand gravelly clay,						Grey metal stone, with	0		0			
with a spring of	0.4	0				post girdles	0	4	0			
water	0 4					Grey post, with water	0	3	0			
Stony clay	6 0	U	0	0	_	Grey metal stone	0	Z	10			
*****		_	8	0	0	COAL	0	0	10	0	_	
White post, with soft										6	2	4
brown scamy part-						Grey metal	0	3	6			
ings and water,						Grey metal stone, with		_	_			
and settled the top		_				post girdles	4	2	0			
feeders	4 1	U				Grey metal	U	Z	U			
Shield Row Seam-						Grey metal, mixed	_	_				
Ft. In.						with coal	0	0	4			
COAL 5 0						Hard Coal Seam—						
Grey metal 0 6						Ft. In.						
COAL 1 2		_				COAL, foul 0 3						
	1 0	8	_	_	_	COAL 4 5			_			
~ .			5	1	8		0	4	8		_	
Grey metal	1 4	4						_		6	0	6
Black metal	0 0	6				Grey metal, mixed	_	_				
Strong grey metal						with coal			6			
stone, with post						Grey metal			6			
girdles and metal						In grey metal stone	0	2	0	_		^
partings	$\frac{2}{2}$	0								0	3	0
Open whin	0 0	8										
	-		7.0	_	_	Total				26	1	6
Carried forward	4 0	6	13	1	8	10001		•••	=			=

### No. 1,936.—TANFIELD.

#### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of the Boring in the Second Place in Armstrong's, Springwood, near Tanfield Leigh. February 26th, 1755.

Approximate surface level

feet above sea (Ordnance datum).

Soil Fs. Ft. In. Fs. Ft. In. Stony clay 0 4 0	Brought forward Fs. Ft. In. Fs. Ft. In. Soft brown and grey
Gravelly clay, with a	ramble 0 1 6
spring of water 0 1 0 Stony clay 6 4 0	Soft brown and grey scamy metal 0 2 0
7 4 0	COAL, soft foul 0 0 6
Carried forward 7 4 0	Carried forward 0 4 0 7 4 0

## No. 1,936.—TANFIELD.—CONTINUED.

							1
				Fs.			Fs. Ft. In. Fs. Ft. In.
Brought forward	0	4	0	7	4	0	Brought forward 19 3 2
Soft grey and brown							Black grey metal,
scamy metal	1	1	0				mixed with coal 0 0 2
COAL - Hard Coal							Grey scamy post, with
Seam	0	4	11				metal partings 0 3 0
	_			2	3	11	Blue grey metal 0 4 0
Grey and brown scamy							Grey scamy post, with
metal	0	0	4				metal partings and
COAL, foul brassy,							water 1 5 0
mixed with metal	0	0	6				Blue grey metal stone 1 4 0
	0						Blue grey metal stone 1 4 0 Grey scamy post 0 4 0 Grey metal 1 1 0 Grey metal 1 1 0
Grey metal		4	0				Grey metal 1 1 0
White post, and settled	2	-30	0				Grey post, with metal
the top feeders	0	1	6				nortings 0 5 0
	U	1	U				partings 0 5 0 Blue grey metal 0 2 0 Strong white post 1 2 6
Grey metal, with post	o	9	0				Strong white most
girdles and water	2	2	U				Strong white post 1 2 6
Grey post, with metal	0		0				Grey metal, with gir-
partings	0	4	6				dles or lumps 0 5 0
Grey metal, with post	_	_					Black and blue metal,
girdles or lumps	2	1	4				with water 0 4 0
Brass Thill Seam-							Grey metal stone, with
Ft. In.							post girdles 0 4 0
COAL 2 0							In white and brown
Brass of coal 0 4							post 0 3 0
COAL 2 4		:					11 4 8
	0	4	8				· ·
				9	1	3	
				_			
Carried for	war	d		19	3	2	Total 31 1 10
							1

## No. 1,937.—TANFIELD.

### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Account of a Boring in the Third Place in Springwood, about 130 yards to the North from the Second.

Soil and sandy clay	In.   8	Brought forward 5 4 6 7 3 8  Shield Row Seam —  COAL 5 0  Grey slaty metal 0 3  COAL 0 4
Grey metal 0 3 6 White and grey scamy post, with brown scamy partings and water 5 0 0		Grey metal, scared with coal 0 3  COAL 1 0 1 0 10
5 9 . m		In grey metal 6 5 4 0 1 0
Carried forward 5 4 6 7 3	8	Total <u>14 4 0</u>

### No. 1,938.—TANFIELD.

### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Account of the Boring in the Fourth Place in Springwood, about 100 yards to the South east from the Third Place.

Approximate surface level feet above sea (Ordnance datum).

			In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil and leafy clay	1	3	0				Brought forward 1 5 6 8 5 0
Gravel and sand, with							Grey metal stone, with
water							scamy partings and
Strong clay	0	3	0				water 2 2 0
Soft clay, mixed with							Grey post 1 0 0
sand	0	1	6				Grey metal, with black
Strong clay							scames near the
COAL, foul	0	0	4				bottom 3 1 0
,,				3	1	0	COAL—Brass Thill
Stony clay	5	3	0				Seam 0 5 1
COAL, foul	0	1	0				9 1 7
				5	4	0	Blue metal, scared with
Strong clay	0	3	.3		-		coal 0 0 3
Grey and brown scamy							Grey metal 0 1 6
metal	0	5	6				0 1 9
Grey and brown scamy	,		U				
post	0	2	9				
Poso		4				-	
Carried forward	1	5	6	8	5	0	Total 18 2 4
Carried forward	1	J	U	G	U	U	10001 10 2 1

### No. 1,939.—TANFIELD.

#### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Account of the Boring in Tanfield Leigh Ground, to the East from the Tenant's House about 250 yards. June 16th, 1760.

Soil and gravelly clay Soft leafy clay, with small beds of sand	0 5	3	0	Fs.	Ft.	In.	Brought forward 6 1 0 Sand 0 2 0 Gravelly clay 0 2 0
Gravelly clay, mixed with sand and water	0	4	0				Stony clay 1 1 0 Leafy clay 1 1 6 —————————————————————————————————
Carried forward	6	1	Ó				Carried forward 9 1 6

### No. 1,939.—TANFIELD.—CONTINUED.

	Fs.	Ft.	In.		Ft. ]		Fs. Ft. In. Fs. Ft. In.
Brought forward				9	1	6	Brought forward 6 1 5 10 5 9
Brown and grey ram-							A hard dun girdle or
ble, mixed with clay	0	3	0				lump 0 0 1
Brown and grey scamy							Black metal, mixed
post	0	5	6				with coal 0 0 4
Grey metal	0	0	5				COAL, with water 0 4 5
Ft. In.							7 0 3
COAL, soft 0 5							Black metal, scared
COAL, soft foul 0 2							with coal 0 0 6
COAL, soft 0 5							Grey metal 0 1 6
COAL, soft,							Grey metal stone 0 3 6
mixed with							Grey post, with water
metal 0 4							at the bottom 0 2 6
metal o r	0	1	4.				Grey metal stone and
			-30	1	4.	3	grey metal, with
Soft dun and blue					*	U	
	0	2	0				post girdles and water near the bottom 7 2 8
	U	4	U				ter near the bottom 7 2 8 Blue and black metal 0 0 9
Soft blue metal, scared	0		0				
with coal							COAL 0 4 7
Grey metal							9 4 0
Grey metal stone	4	2	6				Black slaty metal 0 0 6
Soft blue metal, with			_				Grey metal stone, with
some scares of coal	0	0	5				girdles or lumps 0 3 0
							0 3 6
				_			-
Carried forward	6	1	5	10	5	9	Total 28 1 6

### No. 1,940.—TANFIELD.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Bored in the Second Place in Tanfield Leigh Ground, about 160 yards to the Northwest from the First.

Soil and brow Leafy clay Gravelly clay Stony clay	•••			 	 0 1 0	3 0 3	0 0	Fs.	Ft.	In.
Stony cray	•••	***	Total	 •••	 6		0	8	0	0

# No. 1,941.—TANFIELD.

#### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 52′ 59", Long. 1° 42′ 46".

Bored in the Third Place in Tanfield Leigh Ground, about 450 yards to the Southeast from the Hall.

				Fs.	Ft.	In.	D 11.6					Ft.	
Soil	0	1	6				Brought forward				15	5	2
Gravel, with water at							Grey metal stone	0	4	3			
the bottom	0	4	6				Black metal, mixed						
Leafy clay	1	0	0				with coal	0	0	9			
Leafy clay, mixed with							Grey post	0	0	8			
sand and water	1	0	0				Blue metal, scared with						
Stony clay	0	3	0				coal	0	0	7			
Stony leafy clay	0	1	6				COAL, slaty	0	0	3			
Gravel	0	1	6								3	0	7
Strong stony clay	4	3	6				Blue metal, scared						
Ft. In.							with coal	0	0	8			
COAL 1 10							Blue metal, with						
COAL, foul 0 2							scames of coal at						
COAL 1 4							bottom	0	3	0			
COAL, foul 0 2							Grey post, with black			Ť			
- 10di 0 2	0	3	6				cashy partings	1	0	0			
				9	1	0	Strong white post,	-	·	_			
Brown and grey scamy				v		U	with a mixture of						
stony metal	0	1	G				whin in several						
701	0		0				places and some						
Grey post, with metal	U	42	U				small partings	16	4	0			
							Black grey cashy me-	10	72	U			
partings and brown	0	4	0					0	a	c			
scames		4	6				tal stone		Z A	6			
Grey metal	0	1	б				Grey scamy post		0	6			
Grey post, with metal							Grey metal	U	U	0			
partings and brown		_	0				Ft. In.						
scames	1	0	6				COAL 6 8						
Grey metal			0				Black metal 0 1						
Black stone	0	1	0				COAL, with						
Grey metal and metal							small brass						
stone, with post							lumps or scames						
girdles		0	0				of brass 0 11	_					
Soft grey post		1	6					1	1	8		_	
COAL	0	0	8							_	20	5	1
				6	4	2	Blue grey metal and						
Blue metal	0	0	1				metal stone	0	1				
Grey post, with metal							COAL	0	2	2			
partings	1	4	0								0	3	6
Strong white post	0	2	0				In black scamy stone				0	0	8
				_									
Carried forward	2	0	1	15	5	2	Total			*	440	3	0
										-			_

^{*} Approximate sea level 279 feet below this.

### No. 1,942.—TANFIELD.

#### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of a Boring put down to prove the Stone Head at Tanfield Lea New Winning.

Approximate surface level

feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. Loamy sand 0 3 0	Brought forward 2 4 0 Tumbling stone 0 3 11
Clay 0 3 0 Sand 0 2 0	Strong blue clay 5 5 0 Blue stone and grey
Clay 0 1 0 Loamy sand 0 3 0	metal girdles 1 5 5 11 0 4
Carried forward 2 4 0	Total 11 0 4

#### New Pit sunk where the Hole was bored.

Depth to Top Seam from surface From Top Seam to Brass Thill	•••	18 9	0	0	27		
					27	0	0

#### No. 1,943—TANFIELD.

#### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 52′ 58″, Long. 1° 42′ 25″.

Sunk at Tanfield Lea Colliery, Engine Shaft. Begun March 3rd, 1830; finished November 25th, 1831.

Outset above surface		Fs. Ft. In. 2 1 8	Brought forward			In. I		
	0 4 0		Grey post, with metal	_				
Sand and clay			partings	1	2	0		
Leafy clay	1 0 0		COAL - Shield Row					
Sand and clay	0 2 0		- Seam	0	1	1		
Leafy clay	1 0 6						3 3	1
	0 4 0		Grey thill stone	0	5	0		
	4 1 0		Grey metal, with post					
Services of conf.		8 3 6	girdles	2	0	0		
Brown post	1 0 6		Grey post, mixed with					
Grey metal	0 5 6		whin	1	0	0		
orej metar	0 0 0		WIIII					
Carried forward	2 0 0	10 5 2	Carried forward	3	5	0 1	4 2	3
						14.14		

### No. 1,943.—TANFIELD.—CONTINUED.

							1
50 110 1				Fs.			Fs. Ft. In. Fs. Ft. In
Brought forward	3	5	0	14	2	3	Brought forward 17 0 2½ 37 5 2
Grey metal, mixed	0	4	5				White post 2 3 0
with post	2	4					Grey metal 0 2 0
COAL—5/4 Seam	0	4	0	7	2	1	White post 1 0 0 Shivery brown post 0 0 3
Thill stone	_	9	0	1	4	1	J T T T T T T T T T T T T T T T T T T T
	0	3 5					1
Grey post, with water	$\frac{1}{2}$		10				
Blue metal stone Grev whin stone,	2	1	10				Plum pudding stone 0 0 8 White post 1 2 10
	0	4	0				
mixed with post Blue metal stone with	U	4	0				111111111111111111111111111111111111111
	3	A	9				
whin girdles COAL—Brass Thill	9	4	9				Black stone $0 0 2$
~	0	4	9				Black stone 0 0 2 Little Coal Seam—
Seam	U	48	9	9	5	4.	
Thill stone, mixed				J	U	720	COAL 0 10
with post	0	3	0				Black stone 0 10
Dark blue metal stone.	U	U	U				
mixed with post	0	3	0				COAL $2\ 4$ $0\ 3\ 3\frac{1}{3}$
Grey post, mixed with	U	0	U				
whin girdles	2	2	0				Grey metal 1 0 0
Blue metal, with whin	_	_	·				Post girdle 0 1 0
girdles	2	4	0				Grey metal 0 0 6
Dark blue stone	ō	ī	4				Post girdle 0 1 6
COAL, foul-Maud-	·	_	-				Grey metal 0 1 6
lin Seam	0	0	2				Post girdle 0 0 4
			_	6	1	6	Grey metal 0 4 0
Black stone	0	0	10	Ŭ	~		Post girdle 0 1 0
Strong white post	2	0	6				Grey metal 0 4 4
Dark blue metal stone,	_	•	v				Main Coal Seam—
with whin girdles	2	0	8				Ft. In.
White post	4	0	0				COAL 3 9
	ō	0	4				Black stone 0 3
White post		0	ō				COAL, splint 0 4
Shivery post		2	6				- 0 4 4
Brown post	6	ō	71				4 0 6
Grey metal parting	ŏ	0	9				White thill stone 0 3 5
						_	
Carried forward	17	0	21/3	37	5	2	Total *69 2 0
			2				

^{*} Approximate sea level 84 feet below this.

### No. 1,944.—TANFIELD.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of Strata sunk through in Tanfield Lea New Pit, 600 yards West of Colliery. Begun September 30th, 1839.

Outset Soil		•••	Fs. 0			0	3	In. 0	Brought forward Yellow clay	0	1	0		Ft. 3	
			-					-		-					
Carri	ed forwa	ard	0	1	0	0	3	0	Carried forward	1	0	0	0	3	0

# No. 1,944.—TANFIELD.—CONTINUED.

Brought forward Blue gravelly clay, with large tumbling	Fs. Ft. In. Fs. 1 0 0 0			Brought forward Broken metal COAL (in a convulsed	Fs. 2			Fs. 14		In. 0
stone	0 2 0	3	0	state)  Broken metal Broken metal White post	2	4 0	8 0	3	3	8
Seam	0 5 0 4	<b>4</b>	0	white post			_	8	2	8
Carried f	orward 14	4	0	Total		<del>.</del>	=	26	4	4

# No. 1,945.—TANFIELD.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 53′ 10″, Long. 1° 43′ 55″.

The First Trial Borehole on Mountset, about 100 yards North-East of the Corving House, at Tanfield Moor.

0.41				Fs. 1	Ft. 1	Ín.	Fs. Ft. In. Fs. Ft In.
		4					Brought forward 9 4 6 9 0 1
Stony clay	1	3	0				Brown and grey post 0 1 8 Blue metal 0 2 2
Grey metal stone, with							
water		0	0				COAL, with brown
Soft grey metal	0	$\frac{2}{1}$	0				scames 0 2 0
Whin:.	0	1	3				COAL, with small
White and grey metal							brass lumps and
stone	3	3	0				water 0 3 7
Grey and blue metal	1	3	0				11 1 11
COAL, coarse, with							Black grey metal 0 0 3
scares of brass,							COAL, slaty,
brown scames, and							mixed with Ft. In.
water	0	1	4				brass 0 6
Black stone, mixed							Grey slate, mixed
with coal	0	0	2				with coal 0 6
COAL, mixed with							COAL, hard
white metal	0	0	4				brassy 0 2
				9	0	1	COAL 1 2
White metal	0	0	9		-		0 2 4
Soft blue and grey			_				0 2 7
metal	1	0	0				Grey metal, with post
							girdles 5 1 6
Grey metal stone Grey post	1	1	6				Black metal, mixed
Grey post girdles and	_	-	~				with coal and brass 0 0 4
metal partings	2	3	9				Ft. In.
White post, with metal	_						COAL 1 6
partings	1	5	0				COAL, foul
Brown thready post	î	2	6				brassy 0 5
Whin	ō	5	ő				- 0 1 11
Strong white post,	•	0	U				5 3 9
mixed with whin	0	1	0				a second control of the control of t
	_	7.					
Carried forward	9	4	6	9	0	1	Carried forward 26 2 4
202,7614						-	

# No. 1,945.—TANFIELD.—CONTINUED.

					_		
Brought forward			In.				Brought forward 5 0 5 27 4 3
Grey metal, with				20		700	Grey metal stone, with
lumps or scares of							post girdles 4 1 0
brass	0	2	8				Ft. In.
Black and grey metal,							COAL 3 2
scared with coal	0	0	6				COAL, but
COAL, mixed with	_		^				rather coarse,
brass at the top	0	4	9	1	-	11	with brassy
Dlask over metal		^	-	1	1	11	scare bands
Black grey metal Grey metal stone	1	4	9				at the top 0 9 COAL 1 0
Strong grey post	ō	3	0				- 0 4 11
Strong grey metal		Ŭ	Ŭ				<del></del>
stone		4	0				Grey metal stone 0 2 3
Strong white and grey							In white post 0 0 3
post	1	0	0				0 2 6
		_	_			_	
Carried forward	5	0	5	27	4	3	Total <u>*38 1 1</u>
	* A	nnr	oxir	nat	e se	a 1e	vel 571 feet below this.

# No. 1,946.—TANFIELD.

#### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 53′ 41″, Long. 1° 43′ 51″.

Second Place bored on Tanfield Moor, about 260 yards to the S.S.E. from the First Place.

Soil, blue and brown stony clay Soft grey metal COAL, soft foul slaty	0 0 0	0 4 8	Fs. 1	Ft.		Brought forward 2 2 6 9 0 0  COAL, foul 0 6  COAL, foul brassy, mixed with grey metal 0 2
Soft grey metal Brown and grey post, with metal partings	0 1	0				COAL 1 4 0 2 0 2 4 6
and water, and set away the water COAL, soft foul	0 0	10	4	0	0	Grey metal, with post girdles 3 1 6 Grey and brown post 4 3 0 Strong grey post 2 5 3
Grey metal stone COAL			0	5	8	Grey metal stone, with post girdles 2 0 0  Ft. In.  COAL, foul
Black metal, scared with coal Grey metal and girdles COAL, foul	$\begin{array}{ccc} 0 & 1 \\ 2 & 3 \\ 0 & 0 \end{array}$	0 0 4				slaty 1 1 Black grey metal 0 2 COAL, slaty 0 7 Black and grey
Grey metal, with post girdles		_	2	4	4	slaty metal 0 4 COAL 0 6
Carried forward	2 2	6	9	0	0	Carried forward 24 4 11

### No. 1,946.—TANFIELD.—CONTINUED.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
D 1 ( C	December Comment of O. 4 O.4 . 77
Brought forward 24 4 11	Brought forward 5 0 4 24 4 11
Grev and blue metal,	Grey and white post,
with post girdles 4 4 0	with metal partings 2 1 0
COAL 0 0 6	Strong white post 2 0 0
Black metal 0 0 4	In whin 2 3 9
Grey metal 0 1 6	11 5 1
Carried forward 5 0 4 24 4 11	Total *36 4 0

^{*} Approximate sea level 570 feet below this.

# No. 1,947.—TANFIELD.

### TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat.  $54^{\circ}$  53' 3'', Long.  $1^{\circ}$  44' 17''.

Third Place bored on Tanfield Moor, about 300 yards to the West from Whiteley Head.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Soil and stony clay 1 0 0	Brought forward 15 3 5
Blue grey metal 2 0 0	Grey metal stone 0 3 0
COAL 0 0 10	Grey post 1 1 0
3 0 10	Black metal 2 4 0
Grey and blue metal 2 0 0	COAL, foul 0 0 4
COAL, but Ft. In.	4 2 4
slaty at the	Grey metal 0 1 6
bottom 0 6	Grey and brown post,
COAL, slaty,	with scamy partings 3 0 0
with water 1 6	Brown post 1 0 0
<u> </u>	White post 2 4 0
2 2 0	Brown thready post,
Grey metal, with post	with water, and set
girdles 2 3 0	away the top feeders 1 3 0
Grey and brown post	White post with water 0 3 9
and set away the	Grey scamy post, with
water 0 3 9	coal pipes 0 3 0
Grey metal and metal	COAL 0 5 4
stone, with post	10 2 7
girdles 6 2 6	Blue metal, mixed
Ft. In.	with coal at the bot-
COAL, slaty 0 9	tom 0 0 8
COAL, foul	win o o o
slaty, mixed	Ft. In.
with metal 0 9	COAL, foul 0 3
Blue metal, scared	Blue metal,
with coal 0 6	mixed with
COAL, foul slaty 0 6	coal 0 2
Blue metal, scared	COAL 1 2
with coal 0 4	0 1 7
COAL, foul slaty 0 6	0 2 3
— 0 3 4	
10 0 7	the state of the s
10 0 7	
Carried forward 15 3 5	Carried forward 30 4 7
20 0 0	

### No. 1,947.—TANFIELD.—CONTINUED.

Brought forward Grey metal Strong grey metal	3 1 6	Brought forward 0 2 4 40 2 1 Ft. 1n. Ft. 1n. COAL 0 9
stone and post girdles, with water COAL, but rather	6 0 0	COAL, brassy 0 1 COAL 3 9 0 4 7
foul near the top COAL, foul slaty,	0 1 9	Blue metal, mixed with
mixed with brass	0 0 3 9 3 6	coal at the bottom 0 1 0 In grey metal stone 0 1 0
Grey metal Black metal, mixed		—— 0 2 0
with coal Carried forward		Total <u>*41 5 0</u>

^{*} Approximate sea level 599 feet below this.

#### No. 1,948.—TANFIELD.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat.

Carried forward 7 3 0 15 1 6

, Long.

Fourth Place bored on Tanfield Moor, about 100 yards to the East from William
Armstrong's House. July 3rd, 1762.

Approximate surface level feet above sea (Ordnance datum).

Approxima	are :	suri	act	164	CI.	1		
Soil and stony clay Soft brown and blue		Ft. 5		Fs.	Ft.	In.	Brought forward 7 3 0 15 1 Ft. In.	
metal	3	0	0				COAL, hard	
Grey and blue metal,							slaty 2 6 COAL, but not	
with post girdles and brown scames	5	1	0				good, with	
slaty 1 2							water 2 4 0 4 10	
Blue metal,								10
$\begin{array}{ccc} \text{mixed} & \text{with} \\ coal & \dots & 0 & 2 \end{array}$							Black and grey metal 0 0 7 COAL, with bands	
coal 0 2 COAL 1 1							of metal 0 1 10	
	0	2	5	10		_	Grey metal 1 2 3	٥
		-		10	2	5	Blackish blue metal 0 4 6	
Grey metal Black and blue metal	2	3	0				Blue grey metal and metal stone 4 1 0	
COAL, foul		0	4				COAL 1 6	
			_	4	5	1	COAL, foul	
Soft brown scamy metal mixed with							brassy 0 4 Grey metal 3 9	
ramble		1					COAL, with	
Brown rambly stone Brown seamy post,		0	0				some small brown scames	
with water	2	5	0				and some	
Whin, mixed with strong white post	0	3	0				scares of brass 3 4	
strong withou post	-						1 4 3	6
							8 0	U

In grey metal

Total ...

32 0

## No. 1,949.—TANFIELD.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of the Boring at Tanfield Moor Edge, about 200 yurds to the East from the Engine. August 14th, 1761.

Approximate surface level feet above sea (Ordnance datum).

Soil and stony clay Brown and grey post Soft grey scamy post COAL Soft black and grey metal, with scares of coal	0 4 2 3 0 1	0 0 6	Ft. In. 5 9	Fs. Ft. In. Fs. Ft. In. St. Th. In. Strong thready white post, mixed with whin and water 0 2 0
Hard Coal Seam— COAL, with a small brass lump near Ft. In. the top 4 7 Grey metal 0 3 COAL, foul slaty 0 4 Grey metal, with post girdles and water Grey post and strong grey metal stone	3 3	0	5 10	Blue metal 0 0 9  Brass Thill Seam—  Ft. In. 0 4  Brassylump or coal, mixed with brass 0 1  COAL, with a small scame of grey metal at the bottom 2 1  COAL 2 4  ——————————————————————————————————
Carried forward	4 2	6 12	5 7	Total 22 2 5

### No. 1,950.—TANFIELD.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Third Place bored at Tanfield Moor Edge, 14 yards to the East from the Second and 120 yards from the First. November 2nd, 1761.

Soil and stony clay Fs. Ft. In. Fs. Ft. In. Soft brown ramble,	Brought forward 2 4 6 COAL, soft loose,
with water 0 4 6	with water     0   2   6
Carried forward 2 4 6	Carried forward 3 0 0 3 1 0

### No. 1,950.—TANFIELD.—CONTINUED.

Fs. Ft. In. Fs. Ft. In. Brought forward 3 0 0 3 1 0	Fs. Ft. In. Fs. Ft. In. Brought forward 18 4 5
Grey and blue metal 1 1 6	White metal, with
COAL, but foul Ft. In	catheads 2 3 6
near the bottom 1 3	Grey post 0 2 0
Blue metal mixed	Grey metal stone 2 0 0
with coal 0 3	Grev post 0 2 3
COAL, soft foul 0 8	Grey metal stone, wth
Blue metal mixed	water 0 5 0
2740 2200	
with coal 0 1	Grey scamy stone, with
COAL 0 6	strong girdles and
0 2 9	water in some places 3 5 0
3 4 3	COAL 0 1 5
Soft dun metal 0 0 6	10 1 2
Grey metal 1 3 0	10 1 2
Grey girdle stone 0 1 0	Grey metal 0 2 6
Black metal 3 3 0	COAL, with bands of
COAL, foul 0 0 9	metal 0 0 9
5 2 3	
Grey metal stone 0 5 0	0 3 3
White and grey post,	
and set away the	Grey metal 0 3 6
	COAL 0 4 11
	1 2 5
Grey post, with black	Grey metal 0 0 4
scames or partings 0 1 6	0001
Ft. In. 5 1	COAL 003
	0 0 7
Soft black metal 0 3	In grey metal stone 0 0 2
COAL 0 4	In grey metal stone
Black grey metal	
stone 0 3	to the second se
COAL, but	
coarse at the top 1 0	
1 0 11	
6 2 11	
Carried forward 18 4 5	Total 32 0 0
Carried Lot Ward Lo L	

# No. 1,951.—TANFIELD.

#### TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Account of the Boring at Tanfield Moor Edge Colliery, about 60 yards to the Northward from the Pit and 100 yards North-east from the Fortune Pit.

July 13th, 1764.

clay        0       2       0       Grey metal stone        0       4       6         Stony clay        0       1       0       0       6       Grey metal stone       (much water rose to the top)        1       3       0       0       0       1       3       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0 <t< th=""><th>Soil and yellow clay Strong stony clay Soft shivery ramble, mixed with stony</th><th>0</th><th>2 5</th><th>6</th><th>Fs. Ft. In.</th><th>Brought forward Grey and brown ramble Stony clay</th><th>3</th><th>0 3 4</th><th>0</th><th></th><th></th><th>In.</th></t<>	Soil and yellow clay Strong stony clay Soft shivery ramble, mixed with stony	0	2 5	6	Fs. Ft. In.	Brought forward Grey and brown ramble Stony clay	3	0 3 4	0			In.
	Stony clay Soft shivery ramble	0 0 0	2 2 1	0 6 0		Grey metal stone Grey metal stone (much water rose to	0	4	6	U	r	
Carried forward 3 0 0 Carried forward 2 1 6 5 1 0		_		_							1	_

# No. 1,951.—TANFIELD.—CONTINUED.

D 14 C	Fs. I					Fs. Ft. In. Fs. Ft. In.
Brought forward Grey and white post,	2	т (	3 5	Т	U	Brought forward 4 3 4 19 5 8 Whin, mixed with
with mixture whin						strong white post 0 2 0
girdles	2	1 (	)			COAL 0 2 9
Brown and grey gul-		_				A brassy lump or scare
lety post Grey metal stone Blue grey metal	1	2 (	)			band 0 0 1
Blue grey metal	0	o i 5 (	)			Black slaty metal,
COAL, with		•				scared with coal 0 0 3
bands of black Ft. In	ı.					COAL, with scares
metal 1 6						of grey metal 0 0 7
coal, with scares of brass 0 10						COAL, coarse 0 1 1
Black metal.						Grey metal and metal
scared with coal 0 5						stone, with several
COAL 0 3						whin girdles or
Street, street,	0	3 (	) . a	1	9	lumps 2 5 0
Grey metal and metal			. 3	-30	o	Strong grey metal stone, with several
stone, with post						whin girdles or
	2				-	lumps 7 3 0
Blue and black metal	2	3 6	;			COAL 0 1 6
COAL, mixed with black metal at the						Grey stone, mixed ————————————————————————————————————
bottom	0 :	1 2	3			with brass 0 0 3
		-	- 5	0	5	Grey metal, with
Grey metal	2	1 4	4			scares of coal 0 3 7
White post, with mix- ture whin girdles	1 :	3 (	,			Black metal, mixed with coal 0 0 2
Whin, with a scamy	т.	,	,			COAL 0 4 9
parting in the						1 2 9
middle		2 (				In grey metal, scared
White post	0	3 (	)			with coal 0 1 6
0			- 10			m + 1
Carried forward	4	3 4	19	5	8	Total <u>38 1 7</u>

# No. 1,952.—TANFIELD.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of Boring on Tanfield Moor, about 250 yards to the South-west from the Cape Pit. October, 1764.

Black soil 0 0 6 Stony clay 0 2 6	Brought forward 2 2 0 Brown scamy post,
Brown ramble 1 5 0	with soft rambly partings 4 0 0
Carried forward 2 2 0	Carried forward 6 2 · 0
	C C

### No. 1,952.—TANFIELD.—CONTINUED.

			-			_				_	_	_	
Dh.4 farmound				Fs.	Ft.	In.	Dwanght fannand			In,			
Brought forward	0	4	0				Brought forward				9	9	8
Grey metal	U	3	U				COAL, foul	U	T	U			
Grey metal Brown post	1	3	0				3			_	1	2	6
Grey metal	0	2	0				Grey metal stone, with						
COAL, with Ft. In.							black scames	1	3	0			
brown scames 6 6							White thready post						
Soft blue metal,							Grey metal stone						
with water 0 3							COAL, foul						
							COAL, Ioui	U	4		0	-	0
COAL 0 11		-	_								3	9	6
	1	1	8				Grey scamy metal and						
				9	5	8	metal stone, with						
				•	•	0	girdles or lumps	5	0	0			
Grev metal	1	1	0				Strong white post	0	3	0			
Black metal, scared							In brown scamy post			0			
with coal	Λ	Ω	6				The blown seems post				7	3	0
With comb	U	0	U	-							-	U	U
Carried forward	1	1	6	9	5	8	Total				22	4	8
										=		-	===

# No. 1,953.—TANFIELD.

#### TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Second Place bored on Tanfield Moor, about 70 yards to the West from the First. November 28th, 1764.

Soil and stony clay Strong brown and grey post Whin		Brought forward 7 0 0 Ft. In. Fs. Ft. In. COAL, foul 0 9
Soft blue grey metal, with black scames		Grey metal, mixed with coal 0 4
at the bottom Soft blue grey metal Brown ramble		COAL, foul, mixed with brown and
Brown ramore		grey ramble at the bottom 1 1
		<u> </u>
		In brown gullety post, with scamy partings 3 4 0
Carried forward	7 0 0	Total <u>11 0 2</u>

### No. 1,954.—TANFIELD.

#### TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long

Third Place bored on Tanfield Moor, about 70 yards North-west from the Second.

Approximate surface level feet above sea (Ordnance datum).

							•				
~ 41 1 1			Fs. Ft.	. In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay	1 1	6			Brought forward				11	5	6
Blue and black ramble,	, ,	0			Blue and black metal,						
mixed with clay	1 1	. 6			with a mixture of						
	$\begin{array}{ccc} 0 & 1 \\ 0 & 2 \end{array}$	0			coal	0	2	0			
Grey metal	0 2	U			Blue grey metal, with	-	_	_			
bly post	4 0	6			scares of coal		0				
White post	2 0	0			Grey metal	Z	4	6			
Strong brown post	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ő			Grey and brown scamy metal	1	K	٥			
COAL, but					Grey metal	0	2	6			
will not cake					COAL, but will not	U	_	U			
nor burn to Ft. In.					cake or burn to any						
any cinder 3 9					cinder, mixed with						
COAL, foul,					black danty metal	0	1	9			
mixed with									6	3	9
metal 0 1					Grey metal, with black						
COAL, but					scames near bottom	0	3	2			
will not cake					COAL, but will not	_		_			
or burn to					cake or burn to any						
any cinder 1 5 Blue metal 0 5					cinder, mixed with						
Blue metal,					black danty metal	0	4	8			
mixed with	-								1	1	10
coal 0 10					Carry model	0	0		~	~	
COAL, but						0					
will not burn					In grey metal stone	U	U	0			
or cake to					-				0	1	0
any cinder 1 6											
	1 2	0									
		-	11 5	6							
C			11 5	_	Total				20	0	1
Carried for	ward		11 5	6	20002		•••	=	=	<u> </u>	=

## No. 1,955.—TANFIELD.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Fourth Place bored on Tanfield Moor, about 110 yards to the South-west from Tanfield Leigh Fell Gate.

Soil and sandy clay 0 2 0  Brown stony clay 1 0 0  Stony clay 1 4 0	Brought forward 3 0 0  Brown sandy ramble, with scamy partings, with water and set away the
	top feeders 1 3 0
Carried forward 3 0 0	Carried forward 4 3 0

### No. 1,955.—TANFIELD.—CONTINUED.

Brought forward Grey and brown scamy					Ft.	In.	Brought forward 6 5 5 12 1 1 COAL 0 0 6
metal	4	0	0				6 5 11
Black grey metal COAL, but will not	2	4	9				Grey and brown scamy metal 0 4 6
cake nor burn to any							Black and blue metal 0 4 6
cinder	0	5					Brown rambly post,
				12	1	1	with metal partings 2 2 0
Grey metal	0	0	8				Grey and brown scamy
Grey metal stone	0	0	9				post, with strong
Black and blue metal	0	1	0				girdles and water
Grey metal and metal							near the bottom 6 3 0
stone, with brown							In whin mixture 0 4 0
scamy girdles	6	3	0				11 0 0
				_		_	
Carried forward	6	5	5	12	1	1	Total 30 1 0

### No. 1,956.—TANFIELD.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Fifth Place bored on Tanfield Moor, about 90 yards to the South from the Fourth.

Approximate surface level feet above sea (Ordnance datum).

Soil and stony clay		Ft.		Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 2 2 0 14 0 3
COAL, soft foul,	-	U	•				Brown white post 3 0 9
mixed with metal	٥	2	c				
							Whin 0 5 6
Stony clay	4	Ų	0	_	0	^	White post 0 1 3 Whin 0 5 3
a	_			5	3	0	
Grey metal and metal		_					COAL, hard foul
stone	2	3	0				slaty, mixed Ft. In.
Ft. In.							with brass 1 - 3
COAL, foul 1 1							COAL, with
Blue grey me-							brown scames 1 4
tal, mixed							COAL, with
with coal 0 3							small brass gir-
COAL, foul 0 8							dles or lumps 2 6
Blue metal,							Soft grey and
mixed with							black danty
coal 0 2 COAL. foul 0 5							metal 0 8
COAL, foul 0 5	_	_	_				Black slaty stone,
	0	2	7				mixed with
	_			2	5	7	brassy coal 0 5
Blue grey metal	5	2	8				COAL 1 3
COAL	0	1	0				1 1 5
	_			5	3	8	8 4 2
Grey and blue metal	0	1	0				
Strong white post			0				
orong white post	_			_			
Carried forward	2	2	0	14.	0	3	Carried forward 22 4 5
Carried 101 ward	2	2	U	TT	U	9	Carried 101 ward 22 1

# No. 1,956.—TANFIELD.—CONTINUED.

Brought forward Grey metal stone, with girdles or lumps 2 1 0 Black metal 0 1 0 Grey metal stone 4 4 9 COAL 0 1 2 7 1 11	Brought forward 0 2 9 30 0 4  COAL, mixed Ft. In. with brass 0 2  COAL, 1 9  COAL, with scares of brass 0 2  COAL 2 6
Soft grey metal, with catheads and scares of coal 0 2 9  Carried forward 0 2 9 30 0 4	

### No. 1,957.—TANFIELD.

#### TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long

Account of the Boring on Tanfield Moor, about 60 yards to the East from William Armstrong's House. July, 1769.

-PP-011210					-		cet above sea (oranance datam).	
Sunk Brown and grey scamy	Fs.	Ft.	In.	Fs.	Ft.		Brought forward 7 3 6 16 4	
metal Grey metal and metal	1	1	0				Seam 0 5 1	7
stone, with post							Soft blue metal 0 0 3	, ,
girdles and water, and set away the							COAL—Foot Coal 0 2 0	3
water near the bot-	7	4	0				Grey metal stone 2 0 0 Black metal 0 1 0	
COAL 1 1 Grey and black							Grey metal stone, with	
							girdles or catheads 1 4 6 Strong white post 0 2 0	
metal 0 2 COAL, foul slaty, with							Strong white post 0 2 0 Whin mixture 0 1 0	
scares of metal 1 0	0	2	3				Grey metal stone, with girdles or lumps 1 5 0 COAL, with some	
Grey metal, with		_	_	9	1	3	small danty scames 0 1 9	. 3
brown scames Black and blue metal	3	5 1	0				Soft grey metal 0 3 3	
COAL		0	_	5	0	7	Seam 0 4 8	11
Black metal Grey metal Grey post, mixed with	0	0 5	6				Black and blue metal 0 0 4 In grey metal stone 0 1 4	. 8
whin girdles, brown scamy partings and water	6	4	0				0	. 0
Carried forward	7	3.	6	16	4	10	Total 33 4	6

### No. 1,958.—TANFIELD.

#### TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Account of the Strata sunk and bored through in the Hobson Pit, Tanfield Moor Colliery from the surface. July, 1843.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Blue metal and outset	3	3	2				Brought forward . 1 3 4 42 2 10
COAL - 5/4 Seam							Strong white post 0 1 8
(30 feet 6 inches of							Strong grey metal,
walling)	0	4	6				with post girdles 1 1 10
Walling)				4	1	8	Strong white post 0 2 8
					-	•	Grey metal, with post
Grey metal, with post	_	_					0 7 70
girdles	1	1	9				girdles 0 5 10
Blue metal	1	2	10				Blue metal 0 0 5
Ironstone	0	0	2				Main Coal or Low
Blue metal	3	3	2				Main Seam-
T /	0	0	2				Ft. In.
TO1 .4.1	1	4	8				COAL, good 3 4
Blue metal	-		2				COAL, bad 0 5
Ironstone	0	0					
Blue metal	0	4	7				
COAL—Brass Thill							5 1 6
Seam (10 feet of							Blue metal stone 3 0 0
walling)	0	4	6				White post 10 5 8
				9	4.	0	COAL 0 1 5
			_	-		_	14 1 1
Grey metal	3	2	1				Blue metal 1 0 0
White post	0	4	8				Blue grey metal stone,
COAL	0	0	2				
Grey metal	1	5	4				Total Branch and Transport
Ironstone	0	0	2				Strong white post,
D1 1	ŏ	Õ	6				with water 1 0 0
T	0	ő	3				Blue metal stone, with
Ironstone		_	_				whin girdles 4 0 0
Blue metal	1	0	10				Black slaty stone 0 2 0
Grey post	1	0	1				COAL 0 0 6
Grey metal	3	3	6				7 2 6
Strong white post	5	0	8				0 11 1 0
Blue metal	0	0	7				
White post	0	1	0				
Grey post	0	4	1				Blue metal 0 4 0
731 7 7	ŏ	î	Ô				COAL, strong 0 1 11
and the second second	7	3	7				4 0 5
Strong white post	- 1						Grey metal stone, with
COAL—Hutton Seam	1	0	6	00	~	^	girdles 1 3 0
				26	5	0	Strong white post 3 5 0
Black slaty stone	0	0	5				COAL 0 0 6
COAL, coarse	0		10				5 2 6
	0	1	0				C
Grey metal	1	0	3				
Blue metal		_					8
COAL—Little Coal	0	1	8	7		0	Grey metal stone 0 4 0
	-			1	4	2	COAL 0 9
Strong grey metal,							
with post girdles	1	0	2				Grey metal 0 7
		2	õ				COAL 1 6
Grey post	0						0 2 10
Grey metal	0	1	2				2 4 6
~		-	_	10	-	10	
Carried forward	1	3	4	42	2	10	Carried forward 81 3 4

# No. 1,958.—TANFIELD.—CONTINUED.

Brought forward Grey metal Blue metal, with hard girdles White post Grey metal stone	0 2 0 1 0 3 1 1 4 0 0 0	0 0 4 11 0 5 7	Ft. In. 3 4	Brought forward   2   1   7   89   2   1
Grey metal Strong white post	$\begin{array}{c c} 2 & 1 \\ 0 & 0 \end{array}$	- 1 0 7	2 1	5 2 8
Carried forward	2 1	7 89	2 1	Total 101 0 3

# No. 1,959.—TEAM.

#### TOWNSHIP OF LAMESLEY, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 54′ 39″, Long. 1° 34′ 40″.

# Account of Strata sunk through in the Street Pit, Team Colliery.

Soil and clay 2 5 6	Fs. Ft. In. Fs. Ft. In. Brought forward 3 2 6 11 4 2\frac{3}{4}
Post 4 2 9	Metal stone 0 5 6
Post 4 2 9 Grey metal 1 2 2	White post 1 0 0
High Main Seam—	White post 1 0 0 Grey metal stone 1 2 0
IL 1910 ILLUCIO DEUIN-	Grey metal stone I w
Ft. In.	COAL—Metal Coal
COAL 2 5	Seam 0 2 6
	7 0 6
Grey metal 12 9	
COAL 2 73	Blue metal stone 2 3 10
2 5 93	Grey metal stone 0 5 2
	Dieg medal soone o d 1
$11   4   2\frac{3}{4}$	Brown post U 4 1
Metal stone 1 3 0	Brown post 0 4 1 Grey metal stone 0 4 6 Whin girdle 0 1 6
White post 0 4 0	Whin girdle 0 1 6
U 4 U	Whili girdle
Metal stone 0 4 6	Ditte metal stone 0 5 0
White post 0 3 0	White post girdles 0 5 6
0 0 0	THILD POST STICKED O O
	- 0
Carried forward 3 2 6 11 4 23	Carried forward 6 5 7 18 4 83
0 2 0 22 2 24	, Carriott zor manu

# No. 1,959.—TEAM.—Continued.

Fs. Ft. In. Fs. Ft. In. Brought forward $6$ 5 7 18 4 $8\frac{3}{4}$	Fs. Ft. In. Fs. Ft. In. Brought forward 4 2 7 1 50 2 4 3
	Six-Quarter Seam—
Blue metal stone 0 3 6 COAL — Stone Coal	Ft. In.
	COAL $1 \frac{6\frac{1}{2}}{2}$
Seam 0 2 2 7 5 3	Softgrey metal 2 0
Thill 0 1 1	COAL, cannel 1 11/2
White post 0 1 9	Band of stone 0 3½
Blue metal stone 0 3 4	COAL 1 9
White post 0 3 7	${-}$ $\frac{1}{0}$ $\frac{0}{8\frac{1}{2}}$ $\frac{1}{5}$ $\frac{3}{3}$
White post and whin	
girdles 0 5 1	White post 0 3 7
Grey metal stone 2 3 1	Grey metal stone 0 3 0
White post 0 5 11	White post and whin
Blue metal and iron-	girdles 0 5 5 Blue metal stone 0 1 0
500110 50111111	
Yard Seam— Ft. In. COAL, fre-	
quently	Grey metal and post girdles 1 4 7
$\begin{array}{cccc} \text{coarse} & \dots & 0 & 9\frac{3}{4} \end{array}$	COAL—Five-Quarter
COAL, good 1 13	Seam 0 3 3
Band 0 2	4 4 11
COAL, good 1 $4\frac{1}{2}$	Thill 0 0 6
Band 0 1	Grey metal stone 0 2 10
COAL good 1 5%	Post girdles, mixed
COAL, good $0.11\frac{3}{4}$ $$	with whin $0 0 9\frac{1}{2}$
$\frac{1}{2}$ 8 5 $7\frac{1}{2}$	Grey metal stone 0 0 11
Thill 0 1 0	Grey post girdles and whin 0 0 11
White post, with whin	Grey metal and whin
girdles 1 0 0	girdles 0 2 $8\frac{1}{2}$
Blue metal and girdles 0 5 6	Black ironstone gir-
White post 0 3 0	dles $0 \ 0 \ 8\frac{1}{2}$
Blue metal stone 0 4 6	COAL 0 0 6
Black metal stone and girdles 1 0 0	${}$ 1 3 10 $\frac{1}{2}$
0 1 10	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Blue metal stone 1 5 8	Grey metal stone $0   3   0$ Blue metal stone $0   0   4\frac{1}{2}$
( 1 0 10 3	Grey metal stone 0 3 2
Grey metal stone $\left\{\begin{array}{cccccccccccccccccccccccccccccccccccc$	White post girdles $0 \ 0 \ 9\frac{1}{2}$
White post girdles 3 2 0	Grey metal stone 0 4 5
White post and whin	White post, mixed
girdles 0 3 6	with whin $0 2 2\frac{1}{2}$
White post girdles 1 3 0	Blue metal stone $0   1   7\frac{1}{2}$
Blue metal 0 1 0	White post, mixed
Bensham Seam— Ft. In.	with whin $0  1  2\frac{1}{2}$ Grey metal stone $1  0  10\frac{1}{2}$
COAL, top 2 9	White post, mixed
COAL, splint 0 7	with whin 0 1 0
COAL $1  ext{ } 4\frac{1}{2}$	Blue metal and iron-
Band 0 1	stone girdles 0 4 10
tom 1 0	Grey and black metal
tom $\frac{1}{0}$ 0 5 $9\frac{1}{2}$	stone 0 0 6
$\frac{14}{14}$	Low Main or
Thill 0 1 4	Hutton Seam—
Blue metal stone 0 3 7	COAL 3 10½
Whin girdle 0 0 5	COAL, coarse
Blue metal 0 4 3	bottom 0 10 ¹ / ₄
Blue metal stone and	$$ 0 4 $8\frac{3}{4}$
girdles $1$ 2 $7$ Blue metal stone $1$ 2 $5\frac{1}{2}$	5 5 0 4
Blue metal stone 1 2 5½	Total 68 1 7
Carried forward 4 2 $7\frac{1}{2}$ 50 2 $4\frac{3}{4}$	Total <u>68 1 7</u>
	1 (0 1 1 )

* Approximate sea level (Ordnance datum).

### No. 1,960.—TEAM.

# TOWNSHIP OF LAMESLEY, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 55′ 16″, Long. 1° 34′ 36″.

Account of Strata sunk through from Thill of Black Fell Water Drift, in the Centre Pit, Team Colliery. 1824.

Approximate surface level 435 feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Seam 0 4 4	Brought forward 3 3 2 7 3 10 2 Strong grey metal 0 5 7
0 4 4	Strong grey metal 0 5 7 Scamy post girdles 0 3 5
Thill 0 1 0	Blue stone 0 4 0
Hard white post 1 3 0	Black metal 0 0 2
Metal stone and post	Low Main Seam-
girdles 1 1 $9\frac{1}{2}$	Ft. In.
Blue metal 0 1 $2\frac{1}{2}$	COAL, good 4 1
COAL—Five-Quarter	COAL, bot-
Seam $0 \ 3 \ 1\frac{1}{2}$	tom 0 10
${}$ 3 4 $1\frac{1}{2}$	0 4 11
Thill 0 1 3	6 3 3
Grey and white post	Black metal and thill 0 2 11
and a whin lump 2 2 2 Grey metal stone 0 1 11	Blue metal $0  ext{ 4 }  ext{ }  $
Black metal 0 1 11	White post 1 4 6
COAL 0 0 6	Black metal 0 0 4
3 1 5	
Thill 0 2 3	COAL
Grey metal 0 0 11	(m) :11
White post and part-	Black metal 0 2 5
ings 0 5 10	Blue metal 1 4 1
Whin 0 4 1	In post 0 1 8
Grey metal and whin	5 5 8
girdles 1 0 9	
Post, mixed with whin 0 1 4	Total depth below
0 110 1 0 0 0 101	Sin Orientan Samuel 80 0 01
Carried forward 3 3 2 7 3 $10\frac{1}{2}$	Six-Quarter Seam 20 0 92

#### No. 1,961.—TEAM.

#### TOWNSHIP OF LAMESLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat.  $54^{\circ}$  55' 18'', Long.  $1^{\circ}$  36' 2''.

Strata sunk through in the Shop Pit, Allerdean Winning, from the Thill of the Hutton Seam.

Thill stone 6 2 6 6 7 2 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Brought forward 1 1 8 White post 0 5 3
Carried forward 1 1 8	Carried forward 2 0 11
	нн

# No. 1,961.—TEAM.—CONTINUED.

Brought forward 2 0 11 Thill stone 0 2 9 Grey metal 2 2 2 2 Grey post 3 0 8 Blue stone 1 0 0 COAL 0 1 2	Brought forward Thill stone 6 5 5 Grey metal 0 2 3 Post 0 2 3 Blue stone 0 2 4
Grey metal 1 4 0  White post, mixed with whin 2 5 6  Grey post 1 2 0  Blue stone 2 2 0  Black stone 0 2 4  COAL, splint 0 0 3  Black stone 0 1 10  COAL 0 0 9	Realmont Seam—  Ft. In.   COAL, good 2 4   Band 0 7   COAL, coarse 0 3   Band 0 1   COAL, coarse 1 2
9 0 8 Carried forward 18 2 4	Total depth below  Hutton Seam 27 4 0

# No. 1,962.—TEAM.

#### TOWNSHIP OF LAMESLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Sunk below the Beaumont Seam, in a Staple about 80 yards East of the Shop Pit.

Approximate surface level feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fg.	Ft.	In.
Post							1	1	11			
Grey metal,	mixed	with	whin	and pos	t		2	4	8			
Black stone							0	0	4			
Blue stone							0	4	6			
COAL		***		***		)						
Band						(	0	$\mathring{2}$	6			
COAL						-	Ť	_	Ŭ			
	•••	•••	•••	***	•••	,				5	1	11
Grey metal,	mixed	with	post							ŏ	3	6
,			Poss	***	•••	• • • • • • • • • • • • • • • • • • • •				-		
			m .	,							-	_
			Tota	1	• • •	• • •		• • •		5	5	5
										-		-

#### No. 1,963.—THICKLEY.

TOWNSHIP OF EAST THICKLEY, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 37′ 30″, Long. 1° 37′ 44″.

Account of Sinking a Pit near the Stockton and Darlington Railway, at East Thickley Colliery. June 9th, 1829.

Approximate surface level 400 feet above sea (Ordnance datum).

Soil Dry sand and gravel Freestone	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	s. Ft. In.	Brought forward Fs. Ft. In. Fs. Ft. In. Soft blue metal 5 3 6  Main Coal Seam—
Blue metal	0 1 4		Ft. In.
COAL		6 5 4	Splint 0 2 COAL 1 9
Thill	0 0 0	0 0 1	COAL, coarse 0 11
Blue metal, with water			Splint 0 4
Soft metal, with water	1 1 0	•	Band $0 \ 10\frac{1}{2}$
Grey metal, with			COAL 2 6
ironstone girdles			Splint 0 6
thready			$110\frac{1}{2}$
Freestone, with water			6 4 6
Soft blue metal			Grey metal, with post
Freestone, with water	0 1 9		girdles and water 1 1 0
	1 1 9		
COAL, coarse	0 2 6	- 1 -	
		7 4 2	
	-		
Carried fo	rward 1	4 3 6	Total $\frac{*22 \ 3 \ 0\frac{1}{2}}{}$

^{*} Approximate sea level 265 feet below this.

### No. 1,964.—THICKLEY.

TOWNSHIP OF EAST THICKLEY, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 37′ 50″, Long. 1° 37′ 8″.

Section of Strata bored through in East Thickley Estate, on the right hand side of the Lane leading to Middridge. Finished June 25th, 1834.

Soil 0 1 0  Yellow rubbly lime- stone 0 3 0  Limestone 3 0 0	Brought forward 3 4 0 Brown marl 0 1 6 Mild yellow limestone 0 1 6 Strong limestone, with partings 3 3 0
Carried forward 3 4 0	Carried forward 7 4 0

# No. 1,964.—THICKLEY.—CONTINUED.

Brought forward White limestone	7	Tt. In. 4 0 5 0	Fs. F	t. In.	Brought forward S3 5 1 Blue metal 5 1 2
Gravelly limestone,					Main Coal Seam— Ft. In.
with water Strong blue limestone		$\begin{array}{ccc} 3 & 0 \\ 4 & 6 \end{array}$			COAL, brown-
Durong blue limestone			12	4 6	ish 0 4 COAL, strong 3 0
White metal	0	4 6			White thill 0 5
Red post	0	1 8			Strong grey
Blue metal Red post	0	2 6 0 2			metal thill 1 2 Strong grey
Blue metal	2	2 8			metal 3 3
Post girdle, with	0	1 6			COAL, strong 2 10 1 5 0
Blue metal		3 6			7 0 2
White and red post,	3	3 7			Left off in grey metal 0 1 6
Blue metal, with	o	0 /			41 0 9
water		$\begin{array}{ccc} 1 & 0 \\ 0 & 7 \end{array}$			February 15th, 1836.  Bored further by
Post, with water COAL—Five-Quarter	_	0 7			G. Stott:—
Seam	0	0 10			Grey metal 0 2 0 Grey post 1 2 0
			15	4 - 6	Grey post 1 2 0 Blue metal 0 1 6
Thill	0	0 2			Strong white post 1 0 1
Blue stone White post, mixed	3	4 5			Strong grey post 5 4 4 Blue metal 2 1 10
with whin	1	0 4			Grey post, strong in
Blue metal, mixed with post	0	1 2			the bottom 2 0 10 Blue metal stone, with
COAL, coarse		2 0			girdles 1 1 8
			5	2 1	Blue metal 0 0 3
					Strong white post,
					mixed with whin (got April 8th, 1836) 3 0 4
Carried for	word.		22	5 1	Total 60 0 5
Carried for	waro	L	33	5 1	10141 00 0 5

# No. 1,965.—THICKLEY.

#### TOWNSHIP OF EAST THICKLEY, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

Account of Strata bored in the Second Hole in Thickley Estate, on the left hand side of the Lane leading to Shildon. May 9th, 1836.

										_		_
Soil Blue stony clay	0	0	6	Fs.	Ft. In.	Brought forward Blue clay, mixed with	Fs. 2			Fs.	Ft.	In.
Dide stony clay	4	υ	U			sand	0	3	0			
	-											
Carried forward	2	5	6			Carried forward	3	2	6			

### No. 1,965.—THICKLEY.—CONTINUED.

Brought forward	Fs.	Ft. In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	0	2 0				Brought forward 8 3 3 9 4 7
Rambly post Grey metal COAL, foul	Û	0 0				Black metal 0 0 4
Grey metal	0	2 11				Grey metal 1 1 0
COAL, foul	0	1 0				White post, with
,	-		4	5	5	brown partings and
Grey metal	1	5 7	_	•	_	
orey metal	7	0 4				water 1 5 4
Black metal Grey metal	Ü	0 4				Brown post 0 1 6
Grey metal	2	3 0				White post 0 1 6
COAL, with water—						Blue metal, with gir-
Yard Seam (?)	0	2 3				dles 2 1 0
24,4 2000	_		1	5	2	White post 0 3 1
Communicated	0	9 0	-30	U		
Grey metal	Ô	2 0				Blue metal and metal
Brown post	U	3 0				stone, with girdles 9 0 3
Strong white post,						White post 0 3 6
mixed with whin	1	2 11				Grey metal and metal
Grey metal and metal						stone, with girdles 15 2 8
Grey metar and motar	4	0 0				
stone	4	2 6 3 8				In strong white post,
Brown post	U	3 8				mixed with whin 2 3 0
White post	1	1 2				42 2 5
Carried forward	8	3 3	9	4	7	Total 52 1 0
Carried for ward	0	0 0	0	-30	•	Total <u>52 1 0</u>

# No. 1,966.—THICKLEY.

#### TOWNSHIP OF EAST THICKLEY, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 37′ 32″, Long. 1° 38′ 18″.

Strata sunk through in the West Pit, Shildon Colliery, in East Thickley Royalty. 1869 and 1870.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Soil 0 1 0	Brought forward 12 2 10
Yellow clay and sand 0 1 0	Seggar 0 3 6
Blue clay and stones 2 1 0	Blue metal 0 2 6
Quicksand and gravel	
(770 11 C	
(750 gallons of wa-	Blue metal 0 2 4
ter per hour) 3 5 4	Black stone 0 0 4
Blue clay 0 1 0	Grey metal 3 0 0
Blue clay 0 1 0 Freestone marl 1 0 5	Grey whin girdle 0 1 0
Freestone 1 1 0	
Charles 1 1	
	White post 1 2 6
Freestone 2 3 4	Ft. In.
Grey metal 0 0 10	COAL 0 7
Grey post 0 2 6	Seggar band 0 3\frac{1}{3}
Black band O 1	COAL 1 2
COAL	${}$ 0 2 $0\frac{1}{2}$
COAL 0 11	$710\frac{1}{2}$
Black band 0 1	Black stone 0 0 3
0 1 1	Seggar 0 2 0
12 2 10	200
12 2 10	Grey metal 2 3 3
0 110 1 10 010	0 114 1 0 5 0 10 0 101
Carried forward 12 2 10	Carried forward 2 5 6 19 3 $10\frac{1}{2}$

### No. 1,966.—THICKLEY.—CONTINUED.

		t. In.				Fs. Ft. In. Fs. Ft. In.
Brought forward		5 6	19	3 1	$0\frac{1}{2}$	Brought forward 40 2 111
Blue metal	1	1 0				Seggar 0 2 6
Top part of Busty						Grey post girdles 0 2 6 Grey metal 1 1 0
Seam— Ft. In.						
COAL 1 2						COAL 0 1 0
Splint stone 0 1						210
COAL 1 7						Seggar 0 0 8
	0	2 10				Post girdles, with me-
			4	3	4	tal partings 2 3 6
Seggar	0	2 4				Whin 0 3 6
Grey metal, with iron-						Post girdles, with me-
stone nodules	1	0 8				tal partings 2 5 9
Grey metal, with post						Brockwell Seam-
girdles	0	2 10				Ft. In.
COAL, with water—						COAL, top $0 \ 11\frac{1}{2}$
Lower part of						Splint 0 5
Busty Seam	0	2 8				COAL, very
Busty Scam			2	2	6	strong 1 8
Seggar	0	2 4		_	0	Stone band $0   2\frac{1}{3}$
7777 1	2	1 9				COAL, bot-
Grey post (4,000 gal-	2	1 0				tom, infe-
lons of water per						rior, mixed
	0	ο Λ				with black
hour)		$\begin{bmatrix} 2 & 0 \\ 0 & 0 \end{bmatrix}$				band 2 2
Whin						0 5 5
Rough post		3 0				
Whin		1 6				7 010
Strong rough post		3 0				Seggar 0 2 9
Dark grey metal		5 6				Grey metal, with post
COAL	0	0 8				girdles 1 0 0
			9	1	9	White post 0 4 0
Seggar	0	2 0				
Grey leafy post		3 0				2 0 9
Dark grey metal		3 9				
COAL	0	0 9				
			4	3	6	
•						
Carried for	ward		40	2 1	11	Total *51 5 61
042204 201					2	

^{*} Approximate sea level 88 feet 6 inches below this.

# No. 1,967.—THISTLE FLATT.

TOWNSHIP OF NORTH BEDBURN, DURHAM.

Sheet 33 of Ordnance Map. Lat. , Long.

Account of the Boring the First Hole in Thistle Flatt Royalty. March 1st, 1848.

Approximate surface level feet above sea (Ordnance datum).

Soil	Fs. F	t. In. 2 0	Fs.	Ft.	In.	Brought forward Fs. Ft. In.	Fs.	Ft.	
Brown stony clay Loamy sand, with	1 :	3 0				Brown post 1 5 0 Dark sandy post 0 1 4			
	0 4					Brown post 0 0 6 6 COAL, soft foul 0 0 10			
conj ciuj			6	2	0		2	1	8
Carried fo	rwar	đ	6	2	0	Carried forward	8	3	8

# No. 1,967.—THISTLE FLATT.—CONTINUED.

Fs. Ft. In. Fs. Ft. In. S								
Brought forward Grey metal, with ironstone girdles 1 0 4 Grey and white post 3 2 0 Grey metal stone, with post girdles 2 3 4 Light metal 0 4 0  COAL 0 1 4  The post girdles 4 1 2  White post, with a gullet; set away the water at 6 feet from the top 1 1 0  White post, mixed with whin 1 2 8 White post, mixed with whin 1 2 8 White and grey post 1 0 2 Black metal 0 0 1 3  Ft. In  COAL 1 0  Black stone 2 10  COAL 0 4 2  Black stone 2 10  COAL 0 4 6  Brought forward Grey metal stone 1 2 0  Ironstone girdle 0 0 6 Grey metal stone 0 1 6 Grey metal 0 0 4 6  Black metal, mixed with coal 0 1 0  Grey metal 0 1 0  White and grey post 3 2 6  Whin 0 1 4  White post, mixed with whin 0 5 7  White post, mixed with whin 0 3 0  Strong grey and white post girdles 1 3 0  Grey metal stone, with a gullet; set away the with whin 0 5 7  White post, mixed with whin 0 5 7  White post, mixed with whin 0 0 0 6  Grey metal 0 1 0  Grey meta		Fs.	Ft.	In.				Fs. Ft. In. Fs. Ft. In
Ironstone girdles					8	3	8	Brought forward 25 2 1
Ironstone girdles	Grey metal, with iron-							Grey metal stone 1 2 0
Description	stone girdles	1	0					Iroustone girdle 0 0 6
Description	Grev and white post	3	2	0				Grev metal 0 1 6
Description	Grey metal stone, with							COAL
COAL		2	3	4				
Black metal, mixed with coal 0 1 0   Grey metal stone, with post girdles 4 1 2   White post, with a gullet; set away the water at 6 feet from the top 1 1 0   White post, mixed with whin 0 1 0   White post, mixed with whin 0 1 0   Strong grey and white post 1 2 4   Grey metal stone, with whin 0 1 3   Grey post 1 2 4   Grey post and white post girdles 1 3 0   Grey post 0 1 0   Grey post 0 0 0 6   Into white post (left off July 8th, 1848)   0 4 6   Grey post 10 0 0 3   Grey post 0 0 0 6	Light metal	0	4					
Grey metal stone, with post girdles 4 1 2 White post, with a gullet; set away the water at 6 feet from the top 1 1 0 White post, mixed with whin 0 1 3 White and grey post 1 0 2 Black metal 0 1 3 Grey metal 0 1 0 Grey metal 0 1 4 White and grey post 3 2 6 Whin 0 1 4 White post, mixed with whin 0 5 7 Whin 0 3 0 Strong grey and white post 1 2 4 Grey metal stone, with post girdles 1 3 0 Grey post 1 2 4 Grey post 0 1 0 COAL 1 0 Black stone 2 10 COAL 0 0 6 Into white post (left off July 8th, 1848) 0 4 6 10 0 3		Õ	1					
Grey metal stone, with post girdles 4 1 2 White post, with a gullet; set away the water at 6 feet from the top 1 1 0 White post, mixed with whin 0 1 0 Strong grey and white white and grey post 1 0 2 Black metal 0 1 3 Grey metal 0 5 7 Whin 0 3 0 Strong grey and white post 1 2 4 Grey metal stone, with post girdles 1 3 0 Grey post 1 2 4 Grey post girdles 1 3 0 Grey post 0 1 0 Grey post 0 1 0 Grey post 0 1 0 Grey post 0 0 6 Into white post (left off July 8th, 1848) 0 4 6 10 0 3	COAL	U		æ	H	K	0	
gullet; set away the water at 6 feet from the top 1 1 0         White post, mixed with whin 0 5 7         White post, mixed with whin 0 3 0         White post, mixed with whin 0 3 0         Strong grey and white post 1 2 4         Grey metal stone, with post girdles 1 3 0         Grey post 0 1 0         COAL 1 0         Black stone 2 10         COAL 0 0 6         Into white post (left off July 8th, 1848) 0 4 6         COAL 0 0 3	a 1.1.4				- 1	Ð	U	with coat 0 1 0
gullet; set away the water at 6 feet from the top 1 1 0         White post, mixed with whin 0 5 7         White post, mixed with whin 0 3 0         White post, mixed with whin 0 3 0         Strong grey and white post 1 2 4         Grey metal stone, with post girdles 1 3 0         Grey post 0 1 0         COAL 1 0         Black stone 2 10         COAL 0 0 6         Into white post (left off July 8th, 1848) 0 4 6         COAL 0 0 3		4	7					Grey metal U 1 0
gullet; set away the water at 6 feet from the top 1 1 0         White post, mixed with whin 0 5 7         White post, mixed with whin 0 3 0         White post, mixed with whin 0 3 0         Strong grey and white post 1 2 4         Grey metal stone, with post girdles 1 3 0         Grey post 0 1 0         COAL 1 0         Black stone 2 10         COAL 0 0 6         Into white post (left off July 8th, 1848) 0 4 6         COAL 0 0 3		4	Т	Z				White and grey post 3 2 6
water at 6 feet from the top 1 1 0       with whin 0 5 7         White post, mixed with whin 0 1 0       Strong grey and white post 1 2 4         Whin 0 1 0       Grey metal stone, with post girdles 1 3 0         White and grey post 1 0 2       Grey post 0 1 0         Black metal 0 1 3       Grey post 0 1 0         COAL 1 0       COAL 0 0 6         Black stone 2 10       Into white post (left off July 8th, 1848) 0 4 6         COAL 0 4       To 0 4 2								
the top        1       1       0         White post, mixed with whin        1       2       8         Whin        0       1       0       3       0         White and grey post       1       0       2       2       2       3       0       3       0       0       3       0       0       3       0       0       3       0       0       0       0       2       4       0       0       0       0       0       0       0        0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0								
White post, mixed with whin 1 2 8 Whin 0 1 0 White and grey post 1 0 2 Black metal 0 1 3 Grey post girdles 0 1 0 Grey post sirdles 0 1 0 Grey post girdles 0 1 0 0 3 Into white post girdles 1 2 4								
White post, mixed with whin 1 2 8 Whin 0 1 0 White and grey post 1 0 2 Black metal 0 1 3 Ft. In.  COAL 1 0 Black stone 2 10 COAL 0 4 2 0 4 2 8 5. 5	the top	1	1	0				Whin 0 3 0
with whin 1 2 8 Whin 0 1 0 White and grey post 1 0 2 Black metal 0 1 3  Ft. In,  COAL 1 0 Black stone 2 10 COAL 0 4	White post, mixed							Strong grey and white
White and grey post 1 0 2  Black metal 0 1 3  Ft. In.  COAL 1 0  Black stone 2 10  COAL 0 4	with whin	1	2	8				
White and grey post 1 0 2  Black metal 0 1 3  Ft. In.  COAL 1 0  Black stone 2 10  COAL 0 4	Whin	0	1	0				
COAL 1 0 Black stone 2 10 COAL 0 4	White and grev post	1	0	2				
COAL 1 0 Black stone 2 10 COAL 0 4	Black metal	0	1	3				
COAL 1 0 Black stone 2 10 COAL 0 4		Ŭ	_	•				0001
Black stone 2 10 coff July 8th, 1848) 0 4 6 0 4 0 4 2 8 5. 5								
COAL 0 4 10 0 3 10 0 3								
<u> </u>								
8 5. 5	COAL 0 4	0	4	9				10 0 3
		U	냎	4	0	~	-	
Carried forward 25 2 1 Total 37 0 10					0	Э.	. 0	
Carried forward 25 2 1 Total 37 0 10	0 . 16				05	-	7	TT 4 1 0 TO 10
	Carried for	war	a		Zə	2	1	Total 37 0 10
·								

# No. 1,968.—THISTLE FLATT.

TOWNSHIP OF NORTH BEDBURN, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of the Boring in the Second Place in Thistle Flatt, on Water Gate Royalty, about 140 yards North from the First Hole. May 15th, 1848.

Approximate surface level

feet above sea (Ordnance datum).

Brown stony clay 1 3 0 Sand, with water 0 0 2 Brown stony clay 2 1 10 Loamy sand and clay 2 0 0 Stony clay 4 0 0 Brown and grey metal 0 4 6	Brought forward  Main Coal Seam—  Ft. In.  Ft. I
Carried forward 10 3 6	Total <u>12 0 7</u>

## No. 1,969.—THISTLE FLATT.

TOWNSHIP OF NORTH BEDBURN, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 42′ 27", Long. 1° 44′ 35".

Account of the Boring in the Third Place in Thistle Flatt Royalty, about 8 yards South-east of Water Gate Farm House, by the Burn Side, on the South Side. June 12th, 1848.

Approximate surface level 450 feet above sea (Ordnance datum).

Fs Ft. In. Fs. Ft. In	Fs. Ft. In. Fs. Ft. In.
Sandy soil 0 3 0	Brought forward 12 1 10
Gravel, sand, and	Grev metal, with
water 0 3 6	water, about 41 gal-
Blue loamy sand 0 1 6	lons per minute 0 1 11
Blue stony clay 6 2 0	Main Coal Seam—
Brown stony clay 0 4 0	Ft. In.
-	0   COAL 0 7
Brown and grey metal 1 2 0	Black grey
Grey metal stone 1 5 10	metal 1 1
Iron stone girdles 0 0 5	COAL 4 2
Grey metal 0 0 11	Splint 0 2
COAL, top 0 2 8	1 0 0
3 5 1	<u> </u>
Carried forward 12 1 1	0 Total 13 3 9

^{*} Approximate sea level 368 feet 3 inches below this.

# No. 1,970.—THORNLEY.

TOWNSHIP OF THORNLEY, DURHAM.

Sheet 28 of Ordnance Map. Lat.

, Long.

Account of the Boring in a Sinking Pit, near Gore Hall.

Sunk to the scaffold Old borehole Red metal, with blue				12	0		Brought forward 5 3 0 31 ( Black metal, mixed with coal 0 0 8	
scares and hard lumps Red post, with blue scares	2	1	6				Whitish grey metal 0 1 9 Grey scamy post 1 0 0	10
Red metal, with blue scares Blue metal  Carried forward	1 1	0 3				10	Whin mixture 0 0 10 Grey post, with water 1 3 7 Grey metal 0 3 5  Carried forward 3 3 7 36 4	

# No. 1,970.—THORNLEY.—CONTINUED.

Brought forward Blue grey metal, with scares of coal near the bottom  Ft. In. COAL 0 4 Hard brassy lumps or band 0 1 COAL, with scares of brass near the top 1 2 COAL, soft 0 2 COAL 0 10	0 3					Brought forward 3 4 1 41 1 10  COAL 0 4  Brass lump or band 0 1  COAL 0 3  COAL 1 3  Grey metal 0 3 6  Grey metal stone 1 2 6  Grey post, with open gullets 0 5 0
Bored further:— Whitish grey metal Blue grey metal stone, with post girdles	0 3	0	4	3	2	Grey metal stone, with post girdles 6 0 6 Black metal, with grey scames 0 0 6 In whin, with water 0 0 4
Blue metal Black metal	0 2 0					9 0 4
Carried forward	3 4	1	41	1	10	Total <u>54 2 2</u>

### No. 1,971.—THORNLEY.

TOWNSHIP OF THORNLEY, DURHAM.

Sheet 28 of Ordnance Map. Lat.  $54^{\circ}$  44' 56'', Long.  $1^{\circ}$  25' 45''.

Account of Strata sunk through in Thornley Colliery.

Soil				Fs.	Ft.	In.	Propert forward			In.			
Soil Brown stony clay		1					Brought forward Strong whin and	О	Т	O.	20	0	U
Strong blue stony clay	9	2	0				white post	0	1	A.			
ottong blue stony clay	4	o	U	2	0	0	white post Brown and grey metal	0	4	7			
Rambly limestone,			-	J	U	U	Grey, blue, black, and	0	-30	U			
mixed with sand		2	0				red scared metal		٦.	. 0			
Gullety limestone,	Ų	o	U				Red scared metal	1	1	0.			
mixed with marly							stone	2	0	0			
partings and water	6	0	0				Gray motel	ñ	3	9			
Limestone, with thin		U	U				stone Grey metal COAL, with water	ň	1	6			
partings		2	٥				Red and blue metal,	U		U			
Limestone, with thin	U	J	U				with scares of coal		1	6			
partings, strong,							with scales of com-	_			11	2	0
and water from 24							Grey metal	0	3			-	
fathoms		3	٥				Red metal	ŏ	5	6			
	-			22	3	0	Red metal Whin	ŏ	1	3			
Dark grey stone	0	0			Ü	•	Strong grey post	ĭ	õ	Õ			
Soft metal	ŏ	ŏ	9				Strong white post,	_	·	·			
Soft metal Sand, with water	2	5	10				mixed with whin	0	4.	0			
Soft sandy post	3	Õ	2				Red and blue metal			ō			
pose							Trea and State Mediation	_					
Carried forward	6	1	6	25	3	0	Carried forward	3	3	9	36	5	(
										Т	Т		

# No. 1,971.—THORNLEY.—Continued.

Fs. Ft. In. Fs. Ft. In.		Fs.	Ft.	n. Fs.		
Brought forward 3 3 9 36 5 0 Brought forward		^		84	2	9
	4-1	U	2	U		
mixed with red 0 4 0 Strong grey me Strong white post, stone, with p	oot					
with red partings girdles and me						
and water 1 4 0 partings, dark no						
		17	1	1		
6 1 0   COAL-Main Co				_		
O		0	2	7		
post girdles 3 3 10				- 17	5	8
Whin girdles 0 0 10	.1.			-11	Ů	G
Grey metal stone, with Dark grey and bla						
post girdles and metal, mixed w		^	9	H		
water 10 1 4   coal in some place Dark grey metal, with   Grey metal	es	0	3	7		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 a.1	0	U	U		
whin girdles 1 4 6 Strong grey me White post 0 1 9 stone, with p	ost					
75 7 ° 17 17 17 17 17 17 17 17 17 17 17 17 17	•••	3	4	9		
post girdles 3 0 9 Black metal, w			_	_		
Grey metal 0 3 0 some scares of co	al	0	3	0		
Grey post 0 2 0 COAL, with sulph	ייו					
Strong white post and burns to white asl						
whin girdles 8 4 0 — Maudlin Seam		0	1	8		
Grey metal and metal	-			- 5	4	0
stone, with scares of Grey metal stone, wi	th					
thin girdles		2	1	4		
COAL				8		
Grow motel and may						
post girdles (2 0 0 * stone, inclining						
Three-Ougater Seam- post		0	4 (	)		
Ft In Strong white po	st,					
COAL 1 6 with grey scar	ed					
Grey metal, partings		3	4 (	)		
mixed with Grey post, with sor						
		3	2 (	)		
the bottom 0 9 Strong white por		0	0			
Dark grey with whin girdles			2 4 0 3	<u>[</u>		
Dark grey Grey scared post, wi		U	0 6	,		
scares of coal 0 3 scares of coal		0	2 (	)		
COAL 0 2 Strong whitish gr		•	_ `			
Dowle most		1	5 9	)		
metal and COAL—Low Ma	in					
foul coal 0 5 Seam	1	0	2 8	3		
COAL 0 4	_			15	1	0
Grey metal, Grey metal and met	a.l					
stone, with no						
girdles		5	4 4	Ļ		
coal 0 4 Dark grey metal, wi						
Five-Quarter post girdles .		1 :	1 (			
Seam— COAL, foul	(		0 2			
COAL 1 8 Soft jointy grey met	al (	) :	2 6			
COAL, strong 1 9 Dark grey metal, with						
1 1 9 post girdles .		2 (	) 4	1		
Grey metal stone, in		) :	3 6			
	. (	) ;	ט כ			
Carried forward 84 2 9 Carried forward	_		- 10	100	-	_
Carried forward 84 2 9   Carried forward	6	9	10	123	1	5

^{* (}Approximate sea level Ordnance datum).

# No. 1,971.—THORNLEY.—CONTINUED.

D	Fs.	Ft. In.	Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward			123 1 5	Brought forward 165 4 1
Strong white post	0	5 2		Grey metal stone 0 2 0
Strong grey metal stone	0	1 6		Brown metal 0 1 0 Strong white post 2 2 7
Grey metal and metal	U	1 0		Grey metal stone,
stone, with post				with hard girdles 2 5 1
girdles	3	0 6		Busty Seam - Ft. In.
COAL, foul	0	0 11		COAL 1 8
Grey metal and metal				Black metal 0 1
stone	1	4 0		COAL 0 6
Whitish grey post,				Grey metal
mixed with whin	4	0 6		band 0 3
Blue grey metal	0	2 5		COAL 0 5
Hutton Seam- Ft. In.				0 2 11
COAL 2 8				Gran matal 6 1 7
Splint 0 8				Grey metal 0 1 6
	0	3 4		Strong white and grey post 2 3 10
			21 0 2	*
Black stone	0	0 10		COAL, slaty 1 1
Sill stone	- 0	4 0		Grey metal 1 4
Blue metal	1	4 8		COAL 1 4
Grey metal, mixed				0 3 9
with blue	0	0 9		3 3 1
COAL	0	0 4		Grey metal 1 0 4
Black sill stone	0	$\begin{array}{c} 0 \ 10 \\ 1 \ 4 \end{array}$		White and grey post 1 2 8
Blue metal	0	1 4		COAL 0 0 8
Grey metal, mixed with blue	0	2 9		2 3 8
Grey metal	2	2 0		Grey metal stone 0 4 0 White post 3 2 4
Dark blue metal	ō	1 7		
COAL	0	0 7		0001
Blue metal	0	1 8		COAL, good 0 2 0
Blue metal, mixed				Grey metal stone 0 0 6
with grey	2	1 5		Strong white post 4 4 2
Post	0	1 11		Grey whin 0 1 0
Blue metal	1	1 0		White post 3 1 5
Grey metal	0	0 8		Grey metal 0 2 6
Blue metal	0	2 4		Grey post 0 1 6
Dark sill stone	0	0 7 0 5		8 5 1
D111	0	0 11		Sunk 191 4 11
Grey metal	0	3 0		Sunk 191 4 11
Post	ŏ	1 9		August, 1856.—Bored
Grey metal	Ŏ	0 10		further:—
Blue metal	0	2 6		Grey post 1 4 0
Grey metal	0	0 6		Metal 0 1 0
Soft blue metal	4	5 8		COAL 006
Grey metal	1	0 9		1 5 6
Blue metal	0	3 9		Grey metal 0 5 0
Post	0	1 0		Grey post 2 1 6 Whin 0 1 2
Blue metal	0	0 6		
Grey whin	0	$\begin{array}{ccc} 1 & 4 \\ 3 & 0 \end{array}$		0041
Blue metal	0	2 9		- 4 2 1
Dook	0	0 4		Grey metal 0 0 2
Blue metal	0	0 7		Grey post 0 2 6
COAL-Harvey Seam		3 8		Metal stone 0 1 6
, , , , , , , , , , , , , , , , , , , ,			21 2 6	COAL 0 1 0
				0 5 2
			104	G
Carried for	wai	d	165 4 1	Carried forward 198 5 8

# No. 1,971.—THORNLEY.—Continued.

Brought forward Grey metal stone COAL		Fs. Ft. In. Fs. Ft. In. Brought forward 14 1 10 199 4 8 Metal 0 5 8 COAL, with sulphur 0 0 10
	0 5 0	15 2 4
Grey metal stone	0 3 0	Metal 1 0 0
Grey post, very hard	6 0 0	White post 0 1 0
Whin	0 2 0	Metal 0 4 9
White post	2 2 11	White post 1 5 3
Whin	0 2 10	Black stone 0 3 0
White post	1 0 8	Dark metal 0 1 3
Grey metal	0 2 11	Hard girdle 0 0 3
Black stone	0 0 8	Metal 1 4 6
Grey post	2 4 6	COAL, splinty 0 0 10
Metal	0 0 2	Grey metal 0 0 11
Girdle	0 0 2	6 3 9
Carried forward	14 1 10 199 4 8	Total 221 4 9

# No. 1,972.—THORNLEY.

#### TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat. 54° 44′ 34″, Long. 1° 48′ 24″.

#### Strata bored through in Thornley Estate.

Soil and clay Broken freestone COAL	Fs. Ft. In. 0 5 0 1 4 0 0 1 4	Fs. Ft. In.	Brought forward 0 4 6 17 3 7  Post stone 1 1 2  Grey metal stone 0 1 9  COAL 0 3 3
Grey metal stone COAL	8 0 0	8 3 0	Thill stone 2 2 6 Post stone 0 3 11
Thill stone Post stone COAL	$ \begin{array}{ccccc} 0 & 1 & 6 \\ 1 & 0 & 8 \\ 0 & 1 & 8 \end{array} $		Grey metal stone 1 3 9 COAL 0 1 7 4 5 9
Thill stone Grey metal stone Post stone COAL	0 1 0 0 3 10 3 3 7 0 2 0	1 3 10	Thill stone 0 0 7  Post stone 0 2 7  Grey metal stone 1 0 3  Post girdles 0 5 0  Post stone 0 0 9  Grey metal stone 1 3 2
Thill stone Grey metal stone	$\begin{smallmatrix}0&1&9\\0&2&9\end{smallmatrix}$		COAL 1 3 2 COAL 0 2 8½
Carried forward	0 4 6	17 3 7	Carried forward 29 5 01

### No. 1,972.—THORNLEY.—CONTINUED.

Brought forward		Ft.	In.	Fs. 29	Ft. 5	In. $0\frac{1}{2}$	Fs. Ft. In. Fs. Ft. In. Brought forward 2 5 4 29 5 01
Thill stone		2	6			~	Blue metal stone 0 2 8
Grey metal stone							COAL 0 4 4
Grey metal and post							404
girdles		0	2				Thill stone 0 0 8
Post stone	0	2	0				
Grey metal stone							
Carried forward	2	5	4	29	5	01	Total *34 0 01
						4	

^{*} Approximate sea level 796 feet below this.

#### No. 1,973.—THORNLEY.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Strata bored through at Thornley (upon the Tyne), in the Corner of the Lane to the South of the House, by T. Rawlings. January 10th, 1765.

Approximate surface level feet above sea (Ordnance datum).

Soil Stony clay Leafy clay Sand, with water Stony clay Leafy clay						0 1 5 0 8	1 5 0	0 0 0 6 6	Fs.	Ft.	In.	
In strong clay	•••	Total	•••	•••	***	5	1	9	21 21	5	9	

# No. 1,974.—THORNLEY.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Second Borehole on Thornley Estate, about 100 yards South of Old Winning, by T. Rawlings. October 19th, 1765.

Soil and leafy clay Fs. Ft. In. Fs. Ft. In.	Brought forward Fs. Ft. In. Fs. Ft. In 11 3 5
Stony clay 10 0 0	Black stone 0 0 7
Soft brown and blue metal 0 3 0	Grey and blue metal, with brown scares
COAL, foul 0 0 5	and hard girdles or
11 3 5	lumps 4 3 9
Carried forward 11 3 5	Carried forward 4 4 4 11 3 5

# No. 1,974.—THORNLEY.—CONTINUED.

D . 14.6 1						In.	Fs. Ft. In. Fs. Ft. In
Brought forward	4	4	4	11	3	5	Brought forward 24 2
COAL, mixed with	_	_	_				Grey metal stone, with
black danty metal	0	0	7				post girdles 2 1 8
Grey metal stone	0	1	6				Grey metal 0 3 0
COAL	0	1	3				Black stone, scared
Black danty metal,							with coal at top 0 1 1
mixed with coal	0	0	3				COAL 0 0 4
COAL (will cake or							
burn to a good cin-							3 0 1
der), with water							Grey metal, with
near bottom	0	2	3				scares of coal 0 0 9
		_		5	4	2	Grey post 0 5 0
Grey metal stone	0	0	6				Grey metal stone, with
Blue grey metal stone		4	6				strong girdles 0 4 0
COAL	Õ	ō	8				Black stone 0 5 0
				0	5	8	COAL 0 0 8
Grey metal	0	1	1	·	•	•	
COAL	ŏ	ō	3				2 3 5
			U	0	1	4	Grey metal stone 0 4 6
Black danty metal	0	^	1	U	т	4.	Strong white post 0 1 6
	2	$0 \\ 1$	0				Grey blue metal 0 3 0
	0	1	_				COAL 0 0 5
Brown gullety post	-		0				1 3 5
Grey metal	0	5	0				D1 0 0 0
Black stone	0	1	6				Blue grey metal 0 3 0
COAL	0	0	4		_		White and grey post 0 4 0
731 7			-	3	2	11	Blue grey metal 0 1 6
Black metal	0	0	6				COAL 0 1 1
Grey metal and metal							1 3 7
stone, with post							In blue grey metal 0 1 2
girdles	2	1	0				
COAL	0	1	2				
		_	_	2	2	8	
						_	
Carried forw	vard			24	2	2	Total 33 1 10

Rods measured by Mr. Wilson, the bailiff, Oct. 19th, 1765.

# No. 1,975.—THORNLEY.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat.

, Long.

Fourth Borehole at Thornley Colliery, 220 yards South of the Third, in the Games Field Boring. February 9th, 1766.

				_	-
Soil and gravelly clay 0 Strong clay 2		Brought forward 3 3 3 (Soft brown and grey	0	Ft.	In.
Grey and brown scamy post 0	3 0	scamy metal 0 2 0	) - 4	0	0
Carried forward 3	3 0	Carried forward	4	0	0

### No. 1,975.—THORNLEY.—CONTINUED.

Brought forward Grey and brown scamy	Fs.	Ft. I	1. Fs.		In. 0	Brought forward 0 4 9 13 2 8 COAL, with small
post Brown post Grey scamy metal	2 2 0	3 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0	) ) }			bands of metal at top 0 1 7 1 0 4
Black metal, mixed with coal Brown scamy metal Grey and brown post	0 2	$egin{array}{cccccccccccccccccccccccccccccccccccc$	3			Grey metal 2 0 9 Black metal, mixed with coal at bottom 0 0 4
Grey and brown post Grey and brown scamy metal COAL, but will not		3 9				Grey metal 0 3 0 COAL, foul 0 0 5
cake	0	2 8	- 8	2	5	Grey metal and metal stone, with post girdles 2 5 4
Grey metal 1 4 COAL 0 10						Black stone, with a mixture of coal 0 0 6 Blue and grey scamy
Black metal, mixed with coal 0 1						mixture 0 3 0  Ft. In.  COAL, soft 1 2  Blue mixture 0 3
COAL 2 7 Grey metal 0 7 COAL, foul 0 4	0.	5 9				COAL, but rather soft near top 1 9
Grey metal Black metal, mixed	0		1	0	3	
with coal at bottom  Carried forward			13	2	8	Total 21 3 0

# No. 1,976.—THORNLEY.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat.

, Long.

Strata bored through in Thornley Grounds, about 100 yards North from Purvess's Houses, by C. Robinson and John Beason, for the Blaydon Colliery Owners.

Soil Fs. Ft. In. Fs. Ft. In. Sand, with water at bottom 7 2 0 Gravelly clay 1 3 0 Strong white stone 0 0 10 Strong clay, with scares of coal 2 5 1 COAL, with a little water 0 0 0 1	Brought forward 12 0 0  Strong clay, with scares of coal 0 2 3  Strong white stone 0 3 9  Strong white stone 0 1 6  Strong clay, with scares of coal 0 1 6  In strong blue clay 1 0 0
water 0 0 1	<u> </u>
Carried forward 12 0 0	Total 14 3 0

# No. 1,977.—THORNLEY.

#### TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat.

, Long.

Second Hole bored about 170 yards North-west from the First.

Approximate surface level feet above sea (Ordnance datum).

				Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In
Soil	0	1	6		Brought forward 7 4 2
Strong clay	1	0	6		Strong clay 1 4 6
Sand, with a little					Grey metal 0 1 9
water	0	0	4		COAL 0 0 9
Strong clay		0	8		Soft stone 0 0 9
Sand					COAL 0 0 3
Strong clay					Grey post stone, whin 0 5 9
Sand and gravel					In blue and grey
Strong clay					stone 0 2 0
Coarse sandy stone					11 1 11
Carried forward	7	4	2		Total 11 1 11

# No. 1,978.—THORNLEY.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat.

, Long.

Third Borehole, about 160 yards North from the Second.

Soil Strong stony clay Sand and gravel Strong stony clay Clay and gravel, mixed with coal Brown clay	0 1 0 0	1 5 3 3	0 0 0 0	Fs. F	t. I	n.	Brought forward 2 3 2 Brown and white post 0 2 3 Brown sandy stone 0 0 3  COAL 2 8 Grey metal 1 0 COAL 3 8		Ft. O	In. 4
Sandy brown clay Blue and brown scamy post  Carried forward	$\begin{array}{c} 0 \\ \hline 0 \\ 1 \\ \hline \end{array}$	5 3	8 6	4	0	4	In grey metal stone	8 0	1 0	8

### No. 1,979.—THORNTON.

#### TOWNSHIP OF WEST THORNTON, NORTHUMBERLAND.

Sheet 63 of Ordnance Map. Lat.

, Long.

Account of Borings made at Thornton Moor. First Hole supposed to be about one mile to the West of Thornton. 1711.

Approximate surface level feet above sea (Ordnance datum).

Soil, red san	d. an	d clay					Fs.	Ft.	In. 6	Fs.	Ft.	In.
Clay, with a							0	ō	4			
Blue clay			• • • •	• • •	***		5	3	0			
COAL							0	0	3			
Blue clay				***			4	0	0			
COAL	• • •	• • •	• • •	***			0	0	4			
Blue ramble			***	***	***		1	0	0			
COAL			***	4.4,8	***		0	0	7			
In blue and	grey	stone	•••	***	***		4	0	0			
							-		_	15	0	0
			m.4.1								_	_
			Total	***	***	• • •		• • •		15	0	_0

# No. 1,980.—THORNTON.

TOWNSHIP OF WEST THORNTON, NORTHUMBERLAND.

Sheet 63 of Ordnance Map. Lat.

, Long.

Second Place, about 300 yards to the North from the First.

Soil, red sar Blue clay	nd, and	clay				 Ft. In.	Fs. 1 0	Ft. 1 2	In. 6 6	Fs.	Ft.	In.
COAL Blue stone COAL	•••	•••	•••	•••	•••	1 0 0 7 0 5						
Blue and gr	rey stor	ne		····.	***		3 0	3 1	0 0 0	2	0	0
7.11			Total		•••	•••				5	4	

### No. 1,981.—THORNTON.

#### TOWNSHIP OF WEST THORNTON, NORTHUMBERLAND.

Sheet 63 of Ordnance Map. Lat. , Long.

Third Place bored at 100 yards West from the Second.

Approximate surface level feet above sea (Ordnance datum).

Soil, red sand	d, and	clay				E		t. In.	Fs. F	t. Ir	n.
Blue clay					• • •	1	2				
Rambly blue	stone	• • •	***	•••	•••	Ft. In.	2 (	0			
COAL					•••	0 7					
Stone	• • •	• • •		• • •	***	$\begin{array}{cc} 0 & 8 \\ 0 & 3 \end{array}$					
COAL	•••	•••	•••	•••	***	0 3	0	1 6			
									5	1	5
			Total.						5	1	5
			Total	•••	•••	•••	• •	•	=	T	<u>ə</u>

# No. 1,982.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat.

, Long.

Boring in the First Hole at Thrislington, about 350 yards North by East of the Hall, and where the Owners afterwards sunk the Pit. October 21st, 1835.

Soil and limestone	Fs.	Ft.	In.	Fs. Ft. In.	Brought forward			Fs. Ft. In.
ramble	0	3	0		Black metal			
Brown limestone, with				•	Blue and red metal,			
partings	1	4	0		with ironstone gir-			
White, blue, and red					dles	1	4 11	
metal and thin iron					Hard red girdles	0	0 11	
girdles	3	2	6		Red and blue metal			
Carried forward	5	3	6		Carried forward	11	4 0	

# No. 1,982.—THRISLINGTON.—CONTINUED.

Bronght forward	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward			In.			
Brought forward Red and brown scared	11	4	U				Grey metal and metal	0	9	9	99	2	9
post	0	1	6				stone, rather strong,						
Red and blue metal							with post girdles	3	1	9			
and metal stone,				g			Strong white post,						
with post girdles	2		11				with water	0	3	0			
Black metal	0		7				Town Marks C						
Red and blue metal Blue metal and metal	0	5	0				Low Main Seam-						
stone, with post							COAL with Ft. In.						
girdles	4	0	0				coal, with water 2 10						
COAL, soft and		Ū					COAL, coarse 0 3						
brassy and rather								0	9	1			
foul	0	1	0					0	3	1			
Grey metal and metal								_			13	1	7
stone and post gir-	0	0	^				Grey metal	0	0	3			
dles	3	2	0				Grey post	4	1	0			
Strong whitish grey	0	2	6				Grey metal stone		3	0			
post Grey post	0	2	6				COAL	0	1	7			
Grey metal and metal	,	_	J							_	5	.5	10
stone, soft and							Grey metal	0	2	0			
rather dark the last							Black metal	0	2	2			
12 inches	2	1	0				Grey metal	0	4	0			
							Strong white post,						
Main Coal Seam-							with metal partings	0	5	0			
Ft. In.							Black metal	0	5	8			
COAL, strong,							Grey post	0	3 4	<b>5</b>			
rather coarse 1 8							White post Whin	1	2	8			
Grey metal							Blue metal	0	5	0			
band 0 10 COAL, good 3 2									,	Š			
COAL, good 3 2 COAL, coarse							Top Hutton Seam-						
and rather							Ft. In						
foul 0 7							COAL, tender 1 2						
	1	0	3				COAL, slaty						
		J		90	0	9	and rather						
				26	3	3	foul 0 8						
								0	1	10			
Panad funti A											7	0	3
Bored further, April 24th, 1837:—							Grey metal	0	3	0			
							Strong grey metal	J	0	U			
A square box		0					stone	4	0	4			
Grey metal stone	1						COAL, slightly scared			_			
White post	1	2					with brass at 3 to 12						
Blue metal Black metal	0	0	6 4				inches from the top						
Grey metal and metal	U	U	111				- Bottom Hutton	0	-	0			
stone	3	2	0				Seam	0	1	8	4	E	0
Grey metal stone, in-									_		4	5	0
clining to post	3	0	0				Black stone	0	0	6			
COAL, foul	0	1	2				Grey metal	0	3	0			
				12	5	6	Into strong white post	1	0	0	1	3	6
Grey metal stone	0	1	0								1	U	U
Strong white post,	0		0										
with water	8	4	9										
				_									_
Carried forward	8	5	9	39	2	9	Total		• • •	_	72	0	11
										-	_		-

# No. 1,983.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Account of Boring in the Second Hole at Thrislington, about 200 yards North from the First. December 14th, 1835.

Approximate surface level feet above sea (Ordnance datum).

, Long.

Sheet 35 of Ordnance Map. Lat.

Soil Brown and blue clay, small stones, with a			0 2	(n. Fs. Ft 0 0 - 15 0		
1 20	Total		•••	15 0	0	
						=
No. 1	,984.—THRIS	SLINGTO	ON.			
TOWNS	HIP OF THRISLIP	NGTON, DUI	RHAM.			
Sheet 35 of Ordna	nce Map. Lat.	<b>,</b> L	ong.			
Account of Boring in the Third	d Hole at Thrish First. December	ington, abou 22, 1835.	ıt 100 y	ards No	rth from a	the
Approximate le	vel feet above	e sea (Ordn	ance dat	um).		
Sand and gravel Limestone ramble Brown sandy post White and blue metal			3 1 1 5 0 0	in. Fs. Ft. 3 9 4	In. ·	
		1		5 4	0	
	Total			5 4	0	

# No. 1,985.—THRISLINGTON.

#### TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat.

, Long.

Account of Boring in the Fourth Hole, in Thrislington Estate, in the First Sinking Pit. January 20th, 1836.

24.57						(
	Fs.	Ft. In	. Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Sunk in the limestone,						Brought forward 2 2 4 49 5 9
with water, at 12						Strong grey metal
fathoms 2 feet from						stone 0 5 0
the surface			15		0	COAL 0 0 11
To the scaffold			11	4	7	3 2 3
Square box	3	1 5				Grey metal, mixed
Strong brown lime-						with coal 0 0 4
stone, with water	7	4 0	1			COAL 0 0 5
Strong dark grey metal						Grey metal, dark in
stone, with water	0	4 6				places and scared
Red metal	0	0 6				with coal 0 3 0
Dark metal	0	2 0				Strong grey metal
Strong brown post	0	3 0				stone, with girdles 4 4 10
White metal	0	4 0				COAL 0 1 9
Red and grey metal,	_					COAL, foul 0 0 6
with thin girdles	1	0 1				5 4 10
Black metal	0	0 6				Grey metal stone 1 5 2
Red and blue metal	0	2 6				Strong grey post (left
Strong red and blue	0	1 0				off April 30th, 1836) 0 0 10
metal stone	0	1 9				2 0 0
Hard red stone	0	1 1				*
Red and blue metal					-	61 0 10
and metal stone,						Bored further Dec.
soft the last 4 feet,	4	0 9				31st, 1837 :—
with girdles	4	0 2				Strong white post,
COAL, coarse and	0	1 0				with whin girdles 1 0 9
soft the last 8 inches	0	1 2	19	2	8	COAL 0 0 6
Crow metal stone with			10	4	0	Grey metal 0 0 4
Grey metal stone, with	1	1 0				COAL 0 0 2
post girdles Grey post, mixed with	т	1 0				Grey metal, with gir-
	Ω	1 0				dles 3 4 0
~	0	4 4				COAL, foul 0 0 8
COAL, foul	0	0 8				5 0 5
OOAL, 10u1			2	1	0	Grey metal 0 0 4
Grey metal	1	0 0	_	-		White and grey post,
In grey post (left off	-					with whin girdles 2 0 2
Mar. 3rd)	0	3 6				Grey metal stone 1 3 7 COAL 0 0 2
			1	3	6	
· ·						Grey metal stone 1 4 0
			49	5	9	Grey and white post 2 0 2
Bored further, Mar.						Grey metal stone 0 4 0
23rd:—						In strong white post,
Grey post, mixed with						mixed with whin;
whin	0	4 4				got Oct. 4th; left
Grey metal		1 4				off Oct. 19th 1 0 3
Strong white post	ĭ	2 8				5 2 5
1						
Carried forward	2	2 4	49	5	9	Total 75 1 11
COLLEGE AUTHORY	~	- 2	20	-		10ta1 75 1 11

## No. 1,986.—THRISLINGTON.

#### TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat.

, Long.

Account of Boring in the Fifth Hole in Thrislington Estate, in the Wood, about 150 yards West from the First Hole. April 30th, 1836.

Approximate surface level feet above sea (Ordnance datum).

Brown stony clay 2 3 0 Brown rambly free- stone, with water 0 4 0 (Box, 14 feet 4 inches long.)  Brought forward 4 3 6 6 4  COAL 0 0 2  Dark metal 0 0 2  COAL, rather foul near the bottom 0 0 11	Fs. Ft. In. Fs. Ft. In. 4 3 6 6 4 0
Brown rambly free- stone, with water 0 4 0 (Box, 14 feet 4 inches long.)  COAL 0 0 2 Dark metal 0 0 2 COAL, rather foul near the bottom 0 0 11	4 3 6 6 4 0
stone, with water 0 4 0 (Box, 14 feet 4 inches long.)  Dark metal 0 0 2  COAL, rather foul near the bottom 0 0 11	
(Box, 14 feet 4 inches long.)  COAL, rather foul near the bottom 0 0 11	0 0 2
long.) near the bottom 0 0 11	0 0 2
	0 0 11
Blue metal 0 1 0 ——— 4 4	4 4 9
Grey and brown scamy Grey metal stone 2 3 3	9 9 9
post 2 1 0 Strong white post,	2 3 3
Blue metal U U U D	0 9 7
COAL, foul 0 0 3 Grey metal and metal	0 2 7
Blue metal, scared stone (metal the last	
with and 7	
COAL, coarse splinty,	2 9 0
grutes) o 2 o	0 1 0
	0 1 6
of water 0 5 1 6 4 0 Grey metal 0 0 9 COAL 0 3 6	0 0 9
COAL 0 3 6	0 3 6
Storic (Interest time and	0 1 0
6 inches) 4 3 6	
Carried forward 4 3 6 6 4 0   Total 19 0	19 0 1

# No. 1,987.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat.

, Long.

Account of Boring in the Sixth Hole in Thrislington Estate. May 19th, 1836.

70 1	Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brown clay	1 1 0	Brought forward 7 5 6
Red, white, and blue		Grey metal 2 3 6
metal	1 0 0	Grey post, mixed with
Brown scamy post		whin the last 12
COAL	0 0 2	inches 0 4 0
Grey metal		Strong grey metal
COAL		stone, with post
Brown scamy post,		girdles 1 3 4
mixed with metal		
with water	1 3 6	
Carried forward	7 5 6	Carried forward 12 4 4

#### No. 1,987.—THRISLINGTON.—CONTINUED.

Brought forward 12 4 4  COAL 0 1 7  Grey metal 0 3 8  COAL 0 3 8	Brought forward 13 4 4 In grey metal 6 0 0 2
Carried forward 13 4 4	Total <u>13 4 6</u>

## No. 1,988.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Account of Boring in the Seventh Hole in Thrislington Estate. June 6th, 1836.

Approximate surface level feet above sea (Ordnance datum).

Gravel, sand, and w	ater				 Fs.	Ft.		Fs.	Ft.	In.
Soft brown post, wi	ith w	ater			 2	1	0			
Blue metal			•••		0	_	ő			
Dine metar			4 4 4	* *	 U	ีย	U			
Grey metal, mixed		coal			 0	1	6			
COAL, with water	r		***	***	 0	5	0			
								5	4	6
In grey metal				• • •				0	0	6
		Total		1		•••		5	5	0

#### No. 1,989.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Account of Boring in the Eighth Hole at Thrislington. June 8th, 1836.

Red and blue metal Soft scamy post 0 3 0 0	Brought forward 5 3 6  Blue and grey metal
White metal 0 1 0	and metal stone,
COAL, soft foul 0 0 8	with strong post
Scamy post 1 3 4	girdles 5 1 9
Strong white post,	COAL 0 1 7
with water 0 1 6	Grey metal 0 1 0
	COAL 0 3 1
	Grey metal 11 4 11 0 0 9
Carried forward 5 3 6	Total 11 5 8

#### No. 1,990.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Account of Boring in the Ninth Hole in Thrislington Estate. June 20th, 1836. Approximate surface level feet above sea (Ordnance datum).

	Fs. Ft	. In. :	Fs. Ft.	In.	Fs. Ft. In. F	s. Ft.	In.
Gravel and sand, with					Brought forward 14 0 0		
water	3 4	0			Metal and limestone		
Blue stony clay	7 1	3			marl 0 3 6		
Soft brown rambly					Red and blue metal 0 5 6		
freestone, mixed					COAL, foul 0 1 1		
with clay	0 0	9			1	. 4	1
Marl and freestone					Loose limestone and		-
ramble	1 0	0					
Red metal					clay 0 5 0 Blue metal 0 5 3		
Marl, mixed with clay					Strong red post 0 0 8		
Red and blue metal	0 3	0			Strong real post 0 0 8	4	23
Red and blue metal	0 0	U				4	11
C	14 0				Made 1	. 0	_
Carried forward	14 0	0,			Total 1	3	0

# No. 1,991.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Account of Boring in the Eleventh Hole in Thrislington Estate, 200 yards North from the First Pit. March 6th, 1837.

							,
Blue stony clay	Fs. 14	Ft.	In. 0	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 8 2 7 18 0 9
Red clay	0	3	0				Grey metal 0 0 1
Gullety limestone	-9		3				00'41
Sand		2	0				Grey metal 0 0 1
Red and grey metal		ĩ					COAL 0 0 4
	1	7	0				
	1	U	U				
1 /	0	2	0				
water Red and blue metal	0	1	_				
0 1	-	0	6				
	-	2	C				
Dark metal	U	2	0	18	0	9	
TITI : 4			_	19	U	9	
White post, with		0	0				Dark grey metal 0 0 9
water	2	0	0				Supposed Five-Quarter
Grey metal stone		5					Seam— Ft. In.
Black stone	-	1					COAL, with
Grey metal		3	6				water 3 8
Black stone	0	1	10				COAL, splinty 1 5
Grey metal stone, with	_	_	_				0 5 1
girdles	1	2	6				14 1 7
COAL	0	0	4				
			_	_		_	
Carried forward	8	2	7	18	0	9	Total 32 2 4

## No. 1,992.—THRISLINGTON.

#### TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat.

, Long.

Account of Boring in the Twelfth Hole in Thrislington Estate, in a Field on the North Side of the Clarence Railway, named Whinney Hill. November 2nd, 1837.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. Brought forward 27 0 0
Grey metal, mixed
with coal 0 1 0
27 1 0
Black metal 0 · 2 0
Light grey metal 0 2 6
White post 0 1 3
Grey metal 0 2 1
Whin, got Dec. 6th;
left off Jan. 11th 2 5 2
4 1 0
,
Total 31 2 0

#### No. 1993.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat.

, Long.

Account of Boring in Thrislington Coal Pit, in the Drift over the North Dyke, October 20th, 1837.

Approximate surface level

feet above sea (Ordnance datum).

Strong v Blue me COAL Band of	tal, w	vith giv  metal	dles	•••	whin	***	•••	0 1 0 0	3 0 1 0	8 4 9 9	Fs.	Ft.	In.	
COAL			•••	 Total		***	,	0		3	2	5 5	9	

# No. 1,994.—THRISLINGTON.

#### TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat.

, Long.

Account of the Boring in Thrislington Estate, about 213 yards East from the Old Coal Pit. August 29th, 1839.

Approximate surface level

feet above sea (Ordnance datum).

Soil and clay 0 4 0 Limestone ramble 0 3 0 Strong brown limestone, with water at 8 fathoms from the top 10 0 0 White metal 0 3 6 Red metal 1 0 3 Red and grey metal 0 1 3	Brought forward 1 5 0 11 1 0  Black metal 0 0 5  Red and grey metal 1 1 0  Strong red post 0 1 2  Red and grey metal 0 4 0  Whin 0 2 1  Blue metal, with girdles 7 3 4  ——————————————————————————————————
Carried forward 1 5 0 11 1 0	Total 23 0 0

## No. 1,995.—THRISLINGTON.

#### TOWNSHIP OF THRISLINGTON DURHAM.

Sheet 35 of Ordnance Map. Lat.

, Long.

An Account of the Boring in Thrislington Royalty, about 80 yards South from the Little Five-Quarter Pit. January 18th, 1851.

Soil				Fs.	Ft.	In.	Brought forward			In. 7			
Brown clay	2	0	0				Grey metal, mixed		_	-	_		
Brown metal	2	4	8				with post	5	0	1			
COAL, soft, and							COAL, soft						
water	0	1	8				Rods dropped into the						
				5	2	4	Old Main Coal						
Grey metal							waste	0	4	10			
Brown and grey metal	0	4	0								7	3	5
Brown and grey post	0	3	7				Grey metal	0	3	3			
,					**		Grey metal Grey metal stone	0	5	6			
Carried forward	1	3	7	5	2	4	Carried forward	1	2	9	12	5	9

# No. 1,995.—THRISLINGTON.—CONTINUED.

Brought forward 1 2 9 12 5 9	Brought forward 13 3 7 37 4 4
Black metal 0 1 6 Black metal 0 1 6	Hutton Seam—
Black metal 0 1 6 Grey metal stone 2 3 8	COAL Ft. In.
Soft grey metal 0 2 2	COAL, danty 0 1
Grey metal, mixed	COAL, brassy 0 5
with coal 0 1 8	0 1 9
5 1 3	13 5 4
Grey metal stone 3 0 0	Metal stone 4 1 0
COAL, soft 0 1 4	COAL, soft (part of
$\frac{}{}$ 3 1 4	Hutton Seam) 0 1 10
Grey metal stone 3 2 6 COAL 0 0 10	2 11
COAL 0 0 10	Strong white post,
0 0 0	mixed with whin 3 0 9
White post 0 3 1	Grey metal stone 4 2 6
Grey metal stone 0 4 0	White post 0 3 6
White post 3 4 0	Grey metal stone 1 5 0
Grey metal stone 1 2 0	White post 0 2 0
Strong white post 0 4 7	Grey metal stone 0 3 0
Strong metal stone 1 2 1	Whin 0 0 6
White post 0 5 4	Grey metal 3 1 6
COAL, strong—Low	Grey post 0 1 10 Whin 0 1 9
Main Seam 0 2 11	
Grev metal 0 0 9	Grey metal 2 2 0 Grey metal 4 0 0
Bored further:	Grey and white post,
Grey metal 0 1 6	mixed with whin 6 0 6
White post 1 1 0	Grey metal, with gir-
Grey metal stone 4 2 0	dles 2 3 7
COAL, soft 0 1 6	Harvey Seam—
Grey metal 2 0 8	Ft. In.
COAL 0 0 6	COAL, good 4 0
Dark metal 0 4 6	COAL, bad 0 1
Grey metal 1 0 0	- 0 4 1
White post 2 3 8 Metal stone 0 5 6	Dark grey metal 31 4 6
Metal stone 0 5 6	Dail grey metal
Carried forward 13 3 7 37 4 4	Total 88 0 1

# No. 1,996.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat.  $54^{\circ}$  41' 56'', Long.  $1^{\circ}$  31' 8''.

Strata sunk through at the Jane Pit, Thrislington Colliery. 1867.

Approximate surface level 410 feet above sea (Ordnance datum).

Outset Fs. Ft. In. Fs. Ft. In. Soil and gravel 1 2 0 1 4 0	Brought forward 3 0 0  Marl 2 3 0  Limestone 16 3 0
	22 0 0
Carried forward 3 0 0	Carried forward 22 0 0

# No. 1,996.—THRISLINGTON.—CONTINUED.

Brought forward   Fa. Ft. In.   Fa. Ft. In.   Brought forward   Black metal     0		,,,,,					
Black metal	7) 1 ( 0 7	Fs. 1	Ft. Ir	. <b>F</b> s.			Fs. Ft. In. Ps. Ft. In.
Grey metal   2 2 0   Post		0	4 (		0	0	D' - 1
Post							
Strong grey metal, with post girdles   3   2   8   8   8   8   8   8   8   8   8	TD I		_				
Hard white post	and the state of t						
With coal       2   1   0	Gray metal scared	4	0	<b>'</b>			
Main Coal Seam Waste   0   5   6   6   7   6   6   7   6   6   7   6   6	with coal	2	1 (	)			D1 / 1 0 0 0
Since   Color   Colo							COAL — Harvey
Total sunk   Strong grey metal   Strong grey				. 9	1	6	0 4 4
Total sunk   Strong grey metal   COAL   Strong grey metal   O 3 0	Fire clay	0	2 6				
Strong grey metal   0   3   0   0   1   10   10   10   10							
Hard grey post			_				Total sunk 103 5 2
Black metal     0   1   10   10   10   10   10		1	3 6	}			
COAL		0	1 10	)			-
Fire clay 0 1 10  Strong grey metal, with ironstone girdles 1 4 0  COAL 0 0 4  COAL 0 1 10  Strong grey metal, with post girdles 3 2 8 Hard white post 1 0 0  Strong grey metal, with post girdles 3 2 8 Hard white post 1 0 0  Strong grey metal, with post girdles 2 0 0  Strong grey metal, with post girdles 2 0 0  Strong grey metal, with post girdles 2 0 0  COAL 0 1 10  Strong grey metal, with post girdles 2 0 0  COAL 2 6  COAL 0 0 1 9  COAL 0 0 6  Grey metal 0 3 0  Grey metal 0 2 4  COAL 0 0 6  Grey metal and a post girdle 7 2 0  Grey metal and a post girdle 7 2 0  Grey metal and a post girdle 0 3 0  COAL 0 0 6  Grey metal and post girdles 5 1 0  Grey and white post 0 5 0  Grey metal and post girdles 5 1 0  Grey metal 0 1 10  Fire clay 0 0 6  Fire clay 0 0 6  Fire clay 0 0 6  Fire clay 0 2 6  Fire clay 0 1 6  Fire clay 0 2 6  Fire clay 0 1 6  Fire clay 0 1 6  Fire clay 0 2 6  Fire clay 0 2 6  Fire clay 0 1							
Strong grey metal, with post girdles	COAL	0	1 2		,		
Strong grey metal, with ironstone girdles				8	5	8	Grey metal 16 5 6
with ironstone girdles         1 4 0         4 0         0 1 6         0 2 6           COAL         0 0 4         2 0 2         2         Grey metal         0 1 0         0 2 6           Strong grey metal, with post girdles         3 2 8         6         3 2 8         6         COAL         0 0 2 1         0 0 2 6           Hard grey post         1 0 0         0 2 0         0         0 2 0         0         0 2 11         0 2 11         0 2 11         0 2 11         0 2 11         0 2 11         0 2 11         0 2 11         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0         0 3 0 </td <td>Fire clay</td> <td>0</td> <td>1 10</td> <td>)</td> <td></td> <td></td> <td></td>	Fire clay	0	1 10	)			
Strong grey metal, with post girdles 1 4 0 0	Strong grey metal,						17 0 3
COAL       1 4 0   0   0 4   0   0   0 4   0   0   0	with ironstone gir-						Grey metal 0 1 6
Strong grey metal, with post girdles 3 2 8   Hard white post 1 0 0   Mard grey post 1 0 0   Mard grey post 1 0 0   Strong grey metal, with post girdles 2 0 0   Post 1 4 0   Strong grey metal, with post girdles 4 2 6   COAL 0 0 1 9   COAL 0 0 0 6   Grey post 0 0 0 6   Grey metal and a post girdle 0 0 0 6   Grey metal and post girdle 0 0 0 6   Grey metal and post girdle 0 0 0 6   Grey metal and post girdle 0 0 0 6   Grey metal and post girdle 0 0 0 6   Grey metal and post girdle 0 0 0 6   Grey metal and post girdle 0 0 0 6   Grey metal and post girdle 0 0 0 6   Grey and white posts 2 0 6   Grey and white post 2 0 6   Grey metal and post girdles 0 0 1 2 0   Grey metal and post girdles 0 1 1 0   Grey and white posts 2 0 6   Grey and white posts 2 0 6   Grey and white posts 2 0 6   Grey metal and post girdles 0 1 1 0   Grey metal and post girdles 0 1 1 0   Grey and white posts 2 0 6   Grey and white posts 2 0 6   Grey metal and post girdles 0 1 1 0   Grey metal and post girdles 0 1 1 0   Grey metal and post girdles 0 1 1 0   Grey metal and post girdles 0 1 1 0   Grey metal and post girdles 0 1 1 0   Grey metal and post girdles 0 1 1 0   Grey metal and post girdles 0 1 1 0   Grey metal and post girdles 0 1 1 0   Grey metal and post girdles 0 1 1 0   Grey metal and post girdles 0 1 1 0   Grey metal and post girdles 0 1 1 0   Grey metal							00'41
Strong grey metal, with post girdles 3 2 8 Hard white post 1 0 0 Whin girdle 0 2 0 COAL 0 0 3 9 Grey post 1 4 0 Strong grey metal, with post girdles 2 0 0 Post 1 4 0 Strong grey metal, with post girdles 4 2 6 COAL 0 0 1 9 COAL 0 0 0 6 Grey post 0 3 0 Grey metal 0 0 0 6 Grey post 0 0 0 6 Grey metal and a post girdle 7 2 0 Grey metal and a post girdle 7 2 0 Grey metal 0 0 0 6 Grey post 0 0 0 6 Grey post 0 0 0 6 Grey post 0 0 0 6 Grey metal and post girdle 7 2 0 Grey metal and post girdle 0 0 1 10 Grey metal and post girdle 0 0 1 10 Grey metal and post girdles 5 1 0 Grey metal and post girdles 5 1 0 Grey metal and post girdles 5 1 0 Grey and white posts 2 0 6 Grey metal and post girdles 0 0 1 2 Grey metal and post girdles 0 0 1 2 Grey metal and post girdles 0 0 1 2 Grey metal and post girdles 0 0 1 2 Grey metal and post girdles 0 0 1 2 Grey metal and post girdles 0 0 1 2 Grey metal and post girdles 0 1 10 Grey metal and post girdles 0 1 1 0 Grey metal and post girdles 0 1 1 0 Grey metal and post girdles 0 1 1 0 Grey metal and post girdles 0 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal 0 1	COAL	0	0 4		_		0 2 6
Strong grey metal, with post girdles   3   2   8   8   8   8   8   8   8   8   8				z	U	Z	Grev metal 4 5 0
Hard white post   1 0 0 0     Whin girdle	Strong grey metal,						
Whin girdle 0 2 0 0 Hard grey post 1 0 0 0 Grey post 0 3 0 Grey post 0 3 9 COAL 0 1 19 Post girdles 2 0 0 Grey post 0 1 9 Post girdle 2 0 COAL 0 0 0 6 Grey post 0 0 0 6 Grey metal and a post girdle 0 1 10 Grey metal and a post girdle 0 1 10 Grey metal and post girdle 0 1 10 Grey metal and post girdle 0 1 10 Grey metal and post girdle 0 0 1 6 Grey post 0 0 0 6 Grey post 0 0 0 0 6 Grey metal and post girdles 5 1 0 Grey metal and post girdles 0 0 0 3 White post girdle 0 0 0 6 Grey and white posts 2 0 6 Grey metal and post girdles 0 1 1 2 Grey metal and post girdles 0 1 1 2 Grey metal and post girdles 0 1 1 2 Grey metal and post girdles 0 1 1 2 Grey metal and post girdles 0 1 1 2 Grey metal and post girdles 0 1 1 2 Grey metal and post girdles 0 1 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal 0 1 1 1 0 Grey metal and post girdles 0 1 1 1 0 Grey metal 0 1 1 1 0 Grey metal 0 1 1 1 0 Grey metal and a post girdle 0 1 1 1 0 Grey metal and a post girdle 0 1 1							COAL 0 2 11
Hard grey post	WWW 4 2 33						5 2 7
Grey post	Whin girdle						Grev metal 0 3 0
Strong grey metal   1	Strong grey post	1	U U				
Post	with nost girdles	2	0 0				COAL 0 1 9
Strong grey metal, with post girdles 4 2 6  Low Main Seam—  Post girdle 2 0  COAL 2 6	D. /		-				1 2 6
with post girdles 4 2 6         Low Main Seam—		Ť.,					Grev metal 0 2 4
Coal	with post girdles	4	2 6				
Post girdle   2 0   0   0   4 6   6							
Post girdle   2 0   COAL     2 6   COAL     0 0 0 6							Grev metal and a post
COAL     2   6							
COAL       0 0 6 6   7 5 6							
Strong grey metal 0 5 7 Hard white post 4 0 2 Dark grey metal 1 4 0 COAL 0 1 10 Fire clay 0 1 6 White post girdle 0 1 10 Blue metal 0 0 7 COAL 0 0 0 7 COAL 0 0 0 6 Post 0 0 0 6 Fire clay 0 0 2 6 Blue metal 0 0 2 6 COAL 0 0 3  ** COAL 0 0 6 Fire clay 0 1 10 COAL 0 0 5 0 Grey metal and post girdles 5 1 0 Grey and white posts 2 0 6 COAL 0 0 3  White and grey post 5 2 0 COAL 0 1 2 Grey metal and post girdles 0 1 2 Grey metal and post girdles 6 4 0 Grey post 1 1 0  Total sunk and bored 158 0 3		0 4	4 6				
Hard white post 4 0 2 Dark grey metal 1 4 0 COAL 0 1 10 Fire clay 0 1 6 White post girdle 0 1 10 Blue metal 0 0 0 7 COAL 0 0 0 6 Dark blue metal 0 4 8 COAL 0 0 6 Post 2 0 4 COAL 0 0 6 Fire clay 0 2 6 Blue metal { 0 2 9 Blue metal { 0 2 9 COAL 0 1 10 Blue metal { 0 2 9 COAL 0 1 2 Blue metal 0 2 6 Fire clay 0 2 6 COAL 0 5 1 0 Grey and white posts 2 0 6 COAL 0 0 3 White and grey post 5 2 0 COAL 0 1 2 Grey metal and post COAL 0 1 2 Grey metal and post Grey and white posts 2 0 6 Grey and white posts 2	~:			14	3	8	<del></del>
Grey metal and post gradles   1 4 0 2   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0   1 0							Grey post 0 5 0
COAL 0 1 10  Fire clay 0 1 10  Blue metal 0 0 7  COAL 0 0 7  COAL 0 0 7  Dark blue metal 0 0 6  Post 2 0 4  COAL 0 0 6  Fire clay 0 2 6  Blue metal { 0 2 9  Blue metal { 0 2 9  COAL 0 1 10  Total sunk and bored 158 0 3							
Fire clay 0 1 6 White post girdle 0 1 10 Blue metal 0 0 7 COAL 0 0 7 Dark blue metal 0 4 8 COAL 0 0 6 Post 2 0 4 COAL, foul 0 0 6 Fire clay 0 2 6 Blue metal { 0 2 9 Blue metal { 0 2 9 COAL -Hutton Seam 0 1 10  Carried forward 72 4 5  Coal 0 0 3  White and grey post 5 2 0 COAL 0 1 2  Grey metal and post girdles 6 4 0 Grey post 1 1 0  Total sunk and bored 158 0 3	0041						8
White post girdle 0 1 10 Blue metal 0 0 7 COAL 0 0 7 Dark blue metal 0 0 6 Post 0 0 6 Post 0 0 6 Fire clay 0 0 2 6 Blue metal { 0 2 9 Blue metal { 0 2 9	Title .						
Blue metal 0 0 7 COAL 0 0 7 Dark blue metal 0 4 8 COAL 0 0 6 Post 2 0 4 COAL, foul 0 0 6 Fire clay 0 2 6 Blue metal {							
COAL 0 0 7 Dark blue metal 0 4 8 COAL 0 0 6 Post 2 0 4 COAL, foul 0 0 6 Fire clay 0 2 6 Blue metal { 0 2 9 Blue metal { 0 2 9 COAL—Hutton Seam 0 1 10							8 0 9
Dark blue metal        0       4       8         COAL        0       0       6         Post        2       0       4         COAL, foul        0       0       6         Fire clay        0       2       6         Blue metal        \$\begin{pmatrix} 0 & 2 & 9 & 9 & 9 & 9 & 9 & 9 & 9 & 9 & 9	O O A I						
Post 2 0 4  COAL, foul 0 0 6 Fire clay 0 2 6 Blue metal { 0 2 9		0 4	4 8				
COAL, foul 0 0 6 Fire clay 0 2 6 Blue metal { 0 2 9 4 0 3							<del></del> 5 3 2
COAL, foul 0 0 6 Fire clay 0 2 6 Blue metal { 0 2 9							Grey metal and post
Fire clay 0 2 6 Blue metal { 0 2 9							girdles 6 4 0
COAL—Hutton Seam 0 1 10  15 5 5  Carried forward 72 4 5  Total sunk and bored 158 0 3	Fire clay						Grey post 1 1 0
COAL—Hutton Seam 0 1 10  15 5 5  Carried forward 72 4 5  Total sunk and bored 158 0 3	Blue metal					*	7 5 0
15 5 5   Total sunk and bored 158 0 3							
Carried forward 72 4 5 Total sunk and bored 158 0 3	COAL—Hutton Seam	U .	1 10	15	5	5	
Carried for ward 12 ± 0				19	9	U	
Carried for ward 12 ± 0	Camiad fam	3		70	4	_	Total sunk and bored 158 0 3
				14	4	0	

^{*} Approximate sea level (Ordnance datum).

# No. 1,997.—THROCKLEY.

#### TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

, Long.

Boring in the First Place in the Turnip Field near Throckley, and in E. Nicholson's Banks. 1752.

Soil and sandy gravel	0		0	Fs.	Ft.	In.	Brought forward 2 4 3 14 1 3
Stony clay Mossy sand and channel, with a siping of water		5 3	0	3	0	0	Strong white post, mixed with whin 0 0 9 Grey post 0 4 0 Soft rotten brown
Brown and grey rambly stone Brown and grey post		3	6 0 5	J	v	O	post, with much water 0 5 3 Whin 0 0 4 White and grey scamy post, with partings 0 5 2
Grey metal COAL, with water  Soft grey metal stone,	0		1	1	0	0	Grey and blue metal 0 1 0 Strong grey post 0 2 0 An open gullet 0 0 4 Grey and white post,
with girdles or cat- heads, and water in some places Grey, green, and brown	3	3	0				with metal partings 0 5 6 Grey metal stone 0 1 2 COAL 0 3 11
scamy metal Grey metal stone A post girdle or lump Black grey slaty metal	0 1 0 0	0	0 0 3 0				Grey metal 0 2 6 Grey metal, with black
Grey metal, with girdles or catheads COAL		0	0 8	9	9	11	scames 0 0 9 Grey metal stone 0 1 6 Strong white post, mixed with whin 0 0 5
Blue and grey metal, with girdles or cat- heads	0			ð	2	11	In grey metal stone 0 2 5 —————————————————————————————————
Grey post	0 - 0	0	7 - 6	0	4	4	1
Grey metal Open grey and white post, with much water	0	4	9				-
Carried forward		4	_	14	1	3	Total <u>23 0 6</u>

# No. 1,998.—THROCKLEY.

#### TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat.

, Long.

Account of the Boring in the Second Place in the Turnip Field near Throckley, about 100 yards to the East from the First. 1752.

Approximate surface level feet above sea (Ordnance datum).

Soil and brown stony clay Blue sleeky sand Brown sandy channel, with water				0	3	In, 6 0 6	Fs.	Ft.	In.
						_	2	3	0
Brown and grey rambly stone Grey post, with water near the bot		•••			0				
COAL				0	1	1			
					_	-	1	4	1
In grey and black scamy metal	• • •		• • •				0	1	0
Total	•••	•••	•••		•••	=	4	2	1

#### No. 1,999.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat.

, Long.

Account of the Third or West Borehole at Throckley.

Soil	^			Fs. I	t. In.	Fs. Ft. In. Fs. Ft. In.
	^		6			Brought forward 10 3 0
Brown sandy clay	0	T	U			Ft. In.
Stony gravel, with						COAL 1 8
	2		6			Grey metal,
Blue stony clay	0	4	0			mixed with
Blue stony clay Brown ramble	0	5	6			coal 1 2
Brown post	3	0	0			COAL 0 6
White post, mixed						- 0 3 4
with whin	0	2	6			11 0 4
Brown and white post						Grey metal, mixed with
Grey metal, with						coal 0 0 6
water	1	0	0			
	- 11	_				Grey metal 4 5 2 Grey post 1 0 0
***						Brown post, with
						water 3 0 0
~		_				
Carried forward	10	3	0			Carried forward 8 5 8 11 0 4

# No. 1,999.—THROCKLEY.—CONTINUED.

Brought forward	Fs. Ft. In.			In. 4	Fs. Ft. In. Fs. Ft. In. Brought forward 32 1 3
	0 7 0	11	U	720	
White post	0 5 0				Grey metal 0 3 0
Grey metal	0 1 10				Grey metal 0 3 0 Grey metal 0 3 0 Grey metal 0 3 0 White post, with water 1 3 0 Grey post 0 5 0 Grey metal stone, with post girdles 1 0 0
COAL	0 1 8				Grev metal 0 3 0
00/12 111 111		10	2	2	White neet with weter 1 2 0
~ 1	0 0 0		2	2	Winter post, with water 1 5 0
Seggar clay	0 2 0				Grey post 0 5 0
White post, with metal					Grey metal stone, with
partings	1 3 0				post girdles 1 0 0
Darla amara madal	0 0				
Dark grey metal	$\begin{array}{cccc} 0 & 2 & 0 \\ 0 & 0 & 6 \end{array}$				
COAL	0 0 6				COAL 0 0 3
		2	1	6	5 4 0
Grey metal, with post					Seggar clay 0 3 0
girdles	2 0 0				
Grey post, with water White post, with water	0 4 0				Grey metal, mixed
White post, with water	3 0 0				with coal 0 2 6
Grey metal					Grey metal, with post
COAL	0 1 0	_	_		girdles 1 5 4
		6	1	6	COAL 0 1 0
Grey metal stone	0 5 0				4 1 4
Grey post	1 1 0				Grey metal, with post
Grey metal	0 0 4				girdles 4 1 0
COAL	0 1 5				White post, with water 3 4 2
	-	2	1	9	7 5 2
Counied for	mand	22	1	3	Total 40 F 0
Carried for	waru	32	T	o	Total 49 5 9
					The state of the s

# No. 2,000.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

, Long.

Account of the Fourth Borehole at Throckley, about 100 yards from South-west corner of Mr. Stephenson's House.

a	•••							Fs.	Ft. In.		Fs.	Ft.	In.	Fs.	Ft.	In.
					0	2	0			Brought forward	5	3	7	16	3	11
B	rown cl	ay			0	4	0			Black metal			0			
B	rown ra	mbl	le		1	0	0			Grey metal stone	2	5	6			
B	rown po	ost			9	1	0			White post						
B	lack me	etal			0	1	0			Whin (got Aug. 3rd;						
B	rown po	ost		•••	2	5	0			through Sept. 7th)	1	1	0			
G	rey met	al			2	1	8			White post, with metal						
C	OAL				0	1	3			partings	1	1	4			
								16	3 11		2					
G	rey met	al		•••	1	0	0			Grey metal stone, with						
B	rown	pos	t,	with						post girdles	1	1	0			
	water				2	3	7				4					
G	rey met	tal			2	0	0				0					
	Carr	ied	forv	vard	5	3	7	16	3 11	Carried forward	19	3	9	16	3	11

#### No. 2,000.—THROCKLEY.—CONTINUED.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 19 3 9 16 3 11	Brought forward 51 1 2
Engine Seam- Ft. In.	Seggar clay 0 3 0
COAL 3 9	Grey metal stone and
Dark metal,	post girdles 1 0 0
mixed with	White post 0 4 10
coal 0 2	Whin (got Nov. 15th,
COAL 0 1	through Dec. 4th) 0 2 6
0 4 0	White post 3 3 6
20 1 9	Grey metal stone and
Grey metal 1 0 0	post girdles 1 2 6
COAL 0 1 0	COAL 0 1 3
1 1 0	,,, , , , ,
Grey metal 0 2 0	7 5 7
White post 3 0 4	Grey metal, mixed
COAL 0 1 8	with coal 0 1 1
3 4 0	COAL 0 0 3
Grey metal or seggar	Grey metal, mixed
	with coal 0 0 4
	Grey metal stone and
Grey metal, with post	post girdles 4 0 0
girdles 0 5 0 White post 0 5 0	White post 1 5 2
7171	COAL, foul 0 0 6
Whin 0 0 6	~ ~ ~
Grey metal 0 4 0	
Grey metal stone and	Grey metal stone and
post girdles 3 1 4	post girdles 1 1 9
COAL 0 2 2	COAL, foul 0 0 2
6 2 0	Blue metal 0 2 0
Grey metal or seggar	Grey metal stone 1 3 6
clay 0 1 10	Sulint Same
Grey metal stone and	Splint Seam— Ft. In.
post girdles 1 3 0	COAL 2 8
White post 0 2 0	COAL, splint 0 2
Grey metal stone 0 1 6	Seggar clay 2 5
COAL 0 0 6	COAL 0 3
2 2 10	— 0 5 6
Grev metal stone 0 1 3	
COAL - Main Coal	
Seam 0 2 5	In grey thill 0 0 1
0 3 8	
Carried forward 51 1 2	Total 69 4 7
Carriot 101 mart 51 1 2	

# No. 2,001.—THROCKLEY.

#### TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. , Long.

Bored near Throckley, about 350 yards to the North-west from the Smith's Shop North of Throckley. May 20th, 1752.

Grey metal, with post girdles	Fs. Ft. In. Fs. Ft. In.	Brought forward	5 0	In. Fs. Ft. In.
S110105		drey metal, with post girdles and water	1 2	6
Carried forward	5 0 0	Carried forward	6 2	6

# No. 2,001.—THROCKLEY.—CONTINUED.

Brought forward 6 2 6 COAL, foul 0 0 7	Brought forward Fs. Ft. In. Fs. Ft. In. Grey metal, with post
6 3 1	girdles 0 1 0
Grey metal, with post girdles 2 4 0	Grey girdly post, with metal partings 0 4 0
Green and grey post 1 4 0	COAL 0 1 8
Whin 0 1 0	1 0 8
White and grey post 3 2 6 COAL, foul 0 0 7	Grey metal 0 1 0 In grey metal stone 0 0 6
8 0 1	0 1 6
Carried forward 14 3 2	Total 15 5 4

# No. 2,002.—THROCKLEY.

#### TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

Second Place bored at Throckley, about 100 yards to the North-west from the First Place. In Madio's Pasture. June 1st, 1752.

Fs. Ft. In. Fs. Ft. In.				Fs.	_	
Soil and brown clay 1 0 0 Brought forward	6	5	0	5	0	10
Leafy clay, with a Grey metal stone	1	0	0			
siping of water 1 0 0 Grey post Whin	0	4	0			
Sand and soft red clay, Whin	0	0	4			
with water 0 1 6 A soft grey sandy	-		_			
2 1 6 parting or gut	0	2	0			
Green and grey post 1 3 0 Brown post, with grey	U	4	U			
COAL, foul 0 0 6 scames and set away	_					
1 3 6   the water						
Grey metal, with post COAL, foul	0	0	5			
girdles 1 0 0			_	12	4	3
COAL, but foul at Grey and blue metal						
the bottom 0 1 10 stone	1	0	0			
1 1 10 Brown and grey post,						
Grey metal 0 2 0 with metal partings	2	1	0			
Grey post 1 0 0 Blue metal	ō	ō	3			
Brown post, with open	0	1	10			
	U	98	10	4	0	1
girdles near the				4	0	
bottom 1 3 0 In white metal				0	0	2
Blue and grey metal 3 0 0						
Black metal 1 0 0						
						-
Carried forward 6 5 0 5 0 10 Total				21	5	4
			=			

## No. 2,003.—THROCKLEY.

#### TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

, Long.

Account of the Boring in the Fifth Place in Throckley Banks, about 90 yards to the East from the Fourth Place, near the Engine Pit, Wm. Greer's Bank. Oct. 20th, 1752.

Approximate surface level

feet above sea (Ordnance datum).

Soil and clay Gravelly clay	0		0	Fs.	Ft.	In,	Brought forward 7 4 0 3 2 10 White post, with a
Soft stony clay, with water at the bottom Brown and grey ram-	1						mixture of whin girdles or lumps 3 5 0
bly stone COAL, with water							Grey metal 0 3 0 COAL, hard, foul,
Grey metal stone, with brown and grey				3	z	10	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
girdles Grey and brown	2	0.	0				Blue metal 0 1 0 Grey metal 1 0 0
rambly post, with water Grey metal, with some	1	0	0				Blue metal 0 1 0 Grey metal 1 0 0 White post 0 2 0 A metal parting 0 0 9 White post 0 3 0
small girdles or cat- heads	2	1	0				Strong white post, with much water 3 0 0
Black metal, with some small sparkles of coal in it	0	3	6				White post, with grey scamy partings 2 2 0 Grey metal 0 0 8
Grey post, with grey scamy partings Open post, and settled	1	4	6				Ft. In. COAL, hard slaty 1 1
the water 2 feet	0	1	0				COAL, with water 3 3 0 4 4
Carried forward	7	4	0	3	2	10	In grey metal 8 2 6 0 0 4
							Total <u>24 0 6</u>

#### No. 2,004.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat.

, Long.

Sixth Place near Throckley, on the Bank about 600 yards to the South from the Town, about 80 yards from the foot of the West Awards. 1752.

Soil and clay Ramble Brown post	2	0 1	6	Ft.	In.	Brought forward 5 3 0 Brown and grey metal, with water 0 3 0
Carried forward	5	3	0			Caraied forward 6 0 0

## No. 2,004.—THROCKLEY.—CONTINUED.

Brought forward	Fs. Ft.		Ft. In	Fs. Ft. In. Fs. Ft. In. Brought forward 22 1 3
Brown and white post				Grey metal stone 0 4 9
Grey post :				COAL 0 0 8
White and brown post,	-	_		0 5 5
with metal partings	2 0	6		Blue grey metal 1 4 0
Grey metal, with post				White post, with much
girdles	1 0	0		water 1 0 0
COAL	0 1	4		White post, mixed
		<del></del>	3 4	with whin 6 0 0
Grey metal, with post				Blue metal, with post
girdles	1 4	8		girdles 0 2 6
White post	1 4	0		Ft. In,
Grey metal, with post		0		COAL 0 9
girdles and water Black stone	1 0	0		COAL, hard
				scare, bandy 0 5
Blue metal	1 3 0 5	0		
White post, with water	1 2	ň		water 3 7 0 4 9
COAL		3		9 5 3
		_ 10	3 11	In grey metal 0 0 2
		1		
Carried fo	orward	22	1 3	Total 33 0 1

#### No. 2,005.—THROCKLEY.

#### TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 55° 0' 18", Long. 1° 45' 24".

Account of the Boring in Old Pit Shaft on Throckley Fell, about 10 yards on the North Side of the Mill Race, and 300 yards West from the Mill. The first and eastmost Main Coal Pit laid dry by Dewley Burn Level. March 9th, 1756.

Box				Fs.	Ft.	Ì'n.	Brought forward 0 3 4 6 2 8
Old borehole Grey and blue metal,	1	2	0				Grey metal stone, with post girdles or lumps
with post girdles White post, with		0	0				and water 3 4 0 Blue metal, with water
scamy partings	1	1 3	6				and rose to the scaf- fold 0 0 9
Grey metal COAL	0	1	2	6	2	۰ ۵	Grey metal 0 2 0 Grey metal stone, with
Soft grey and blue				U	4	0	post girdles 0 3 0 Grey metal, with post
metal, with some scares of coal	0	3	4				girdles 1 4 6 COAL 0 0 3
Carried forward	0	3	4	6	2	8	Carried forward 13 2 6

# No. 2,005.—THROCKLEY.—CONTINUED.

Brought forward Grey metal, with post girdles 0 4 6 White post 0 3 0	Brought forward 5 4 3 13 2 6  COAL, jet or Ft. In. slaty 0 10  COAL 2 5
An open parting, with much water 0 0 2 White post 3 0 0 Open gullety post, with much water 0 0 10	COAL, hard splinty 0 9 0 4 0 6 2 3 Grey metal 0 1 9
White thready post, with water 1 1 4 Grey metal 0 0 5	Black metal, mixed with coal 0 0 6 In grey metal stone 0 0 10
Carried forward 5 4 3 13 2 6	Total 20 1 10

# No. 2,006.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 54° 59′ 36″, Long. 1° 46′ 24″.

Account of the Boring in the Thistle Pit, near Throckley. March 25th, 1756.

Approximate surface level 270 feet above sea (Ordnance datum).

Loose metal  Grey and white post, with metal partings and water in some places  Ft. In.  COAL 0 10	3	3	0	Fs. F	rt.	In.	Brought forward 4 4 6 4 4 Grey thready post, with water 0 2 6 Grey metal stone 0 3 0 Blue and grey metal 0 1 3 COAL 1 9 Grey metal 1 2 COAL 0 7	
Grey metal, scared with coal 0 2 COAL 1 1	0	2	1				Grey metal and metal stone, with post	9
Grey metal Post girdles, with metal partings White post, with water Blue metal, with some	0	4	6	4	4.	9	girdles or lumps 2 3 0  Ft. In.  COAL, coarse 0 5  Soft grey metal 0 11  COAL 3 3  — 0 4 7	
small scares of coal near the top Grey and blue metal stone							Soft grey metal 0 0 7  In grey metal, with girdles or lumps 0 2 5	7
Carried forward	4	4	6	4	4	9	Total <u>15 0 1</u>	1

# No. 2,007.—THROCKLEY.

#### TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 54° 59′ 49″, Long. 1° 45′ 59″.

Account of the Boring in the Chance Pit, at Throckley, from the Engine Seam.

May 24th, 1756.

Approximate surface level 350 feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.	Brought forward Fs. Ft. In. Fs. Ft. In. 5 3 7
coals 0 3 4	Grey metal, with post
Grey metal 0 2 0	girdles 1 3 0 White post 0 5 3
COAL 0 5	White post 0 5 3 Grey metal 0 1 6
Blue metal,	COAL 0 0 4
scared with	2 4 1
coal 0 2	Grey metal 1 0 0
COAL 0 8 0 1 3	White and grey post 0 2 0 Grey metal stone 0 3 6
1 0 7	Grey and blue metal 0 0 6
Blue metal, scared	Soft black metal 0 0 4
with coal 0 0 4	Ft. In.
Grey metal, with post	COAL 2 1   Grey metal 0 5
girdles 1 0 9 White and grey post,	COAL 0 6
with water which	0 3 0
rose to the top 1 1 0 Whin 0 2 0	2 3 4
	Grey metal and metal stone, with post
Strong white and grey post, mixed with	
whin 0 1 6	girdles 2 1 9 COAL 0 3 3
Grey post, with metal	2 5 0 In soft grey metal 0 0 6
partings 1 1 6	In soft grey metal 0 0 6
COAL 0 1 11 4 3 0	
Carried forward 5 3 7	Total 13 4 6

# No. 2,008.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 54° 59′ 54″, Long. 1° 46′ 14″.

Account of the Boring in the Quarry Pit, at Throckley. June 14th, 1756.

Sunk to the scaffold Box Loose rubbish Grey metal	$\begin{smallmatrix}1&1\\1&1\end{smallmatrix}$	0	Brought forward Grey post, with metal partings	2 3	
Carried forward	2 3	0 15 0 0	Carried forward	4 0	0 15 0 0

#### No. 2,008.—THROCKLEY.—CONTINUED.

				Fs.			Fs. Ft. In. Fs. Ft. In.
Brought forward	4	0	0	15	0	0	Brought forward 4 0 1 23 5 7
Grey metal stone, with							Grey and blue metal
metal partings	0	4	0				and metal stone,
Strong grey post Whin	0	2	6				with post girdles 2 0 0
		0	9				Grey and white post,
Strong white post		0	9				with cashy partings
Whin	0	0	7				and water, and rose
Grey thready post,	_						to the waist 2 0 0
with water			0				Strong white and grey
Blue metal	1	1	4				post, with whin
COAL, with Ft. In.							girdles and scamy
water 0 8							partings 1 1 0
Slate or scare							Grey and white post,
band 0 1							with scamy partings 1 4 0
COAL 0 6	0	,	0				Blue metal, with post
	0	1	3	8	3	2	girdles and water 0 1 2
9-64				0	9	2	A girdle or lump, with
Soft grey metal, with	0	0	9				water 0 0 7
water	0	0	2 3				Black slaty stone 0 0 10
COAL	U	U	9	0	2	5	Ft. In.
å 411				U	4	U	COAL 2 7
Grey metal, scared	0	0	7				COAL, hard
with coal	U	U	7				splinty 0 6 COAL 0 3
Grey metal stone, with	9	4	c				COAL 0 3
post girdles	9	4	0				11 5 0
Blue metal, with scares of coal	0	1	0				T. 11
01 coab	U	Т	U,				In grey metal 0 0 8
				_		-	
Carried forward	4	0	1	23	5	7	Total 35 5 3

# No. 2,009.—THROCKLEY.

#### TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat.

, Long.

Account of the Boring, near Throckley, about 50 yards to the North-east from the Douccate Close Well and 50 yards North of the Waggonway. February 25th, 1761.

Soil	Fs. Ft. In.  Brought forward 2 1 6 Blue grey metal 1 0 0 Soft blue rambly metal 0 3 0 Grey metal 1 2 6 Grey scamy metal stone 0 5 0
Carried forward 2 1 6	Carried forward 6 0 0

# No. 2,009.—THROCKLEY.—CONTINUED.

Fs. Ft, In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 6 0 0	Brought forward 16 3 0
Brown rambly post,	Blue grey metal 1 3 6
with soft scamy	Grey and white post,
	with water in some
partings 1 0 0	
Blue and brown scamy	places 7 5 3
metal stone 1 3 0	Grey metal 0 2 0
Grey and brown scamy	COAL 002
post 0 2 0	26 1 11
White and grey post 0 3 0	Grey metal stone, with
Brown thready post,	post girdles 1 0 0
with water and set	COAL 0 0 2
away the water 4 0 0	1 0 2
Strong white and	Grey metal stone, with
brown post 1 0 0	post girdles 1 3 3
Grey metal stone 0 1 0 Black grey metal 0 1 6	COAL 0 1 7
Black grey metal 0 1 6	1 4 10
Grey metal 1 3 0	T 0 0 2
	In grey metal 0 0 3
Black grey metal, with	1.72
some scares of coal 0 1 6	
Carried forward 16 3 0	Total 29 1 2

# No. 2,010.—THROCKLEY.

#### TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 54° 59′ 29″, Long. 1° 45′ 25″.

Boring at Throckley Colliery, near the Waggonway and about 115 yards North from Fanny Pit. July 24th, 1770.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Sunk to the scaffold,	Brought forward 29 1 3
about 1 2 6	Grey metal 0 2 0
Blue grey metal 3 0 0	Grey metal stone 3 0 0
Brown and grey gul-	COAL, with scares
lety post and set	of brass near the
away the water 9 2 0	bottom 0 1 10
White minters 0 0 C	
Whin mixture 0 2 6	3 3 10
White and grey post,	Grey metal, with
with strong girdles	scares of coal 0 0 5
and scamy partings	Strong grey metal
and water in several	stone 0 2 0
places 13 0 0	Blue grey metal, with
Grey metal 1 0 9 Strong white post 0 5 0	much water 0 4 0
Strong white post 0 5 0	Seft open parting,
COAL 0 0 6	with water 0 0 8
27 4 9	Strong white post,
	mixed with whin 0 2 0
	,
Co	0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
Carried forward 29 1 3	Carried forward 1 3 1 32 5 1

#### No. 2,010.—THROCKLEY.—CONTINUED.

Brought forward 1 3 1 32 5 1	Brought forward  Fs. Ft. In. Fs. Ft. In.  44 1 2
Whin 0 1 4 White post 0 2 0	Grey metal stone 0 2 3 Strong white post,
Grey metal stone, with	mixed with whin
strong girdles 4 1 6	and water in several
Black stone 0 1 2	places 6 1 3
Strong grey metal	Post girdles, with
stone 3 0 0	metal partings and
Whin 0 1 0	water 0 2 0
Grey metal partings 0 0 3	COAL, but Ft. In.
Whin 0 1 2	rather slaty 0 9
Grey metal stone 0 1 3	Black slaty dant 0 2
COAL 0 0 4	COAL 3 3
Grey metal stone 1 0 6	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
COAL, foul 0 0 6	In grey metal 0 0 2
——————————————————————————————————————	in groy mount
	-
Carried forward 44 1 2	Total 51 5 0

The bore-rods measured by George Wrightson.

# No. 2,011.—THROCKLEY.

TOWNSHIP OF THEOCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 54° 59′ 51″, Long. 1° 45′ 38″.

Bored in the Hill Pit, at Throckley, from the Engine Seam. 1773.

Approximate surface level 310 feet above sea (Ordnance datum).

Sunk to the Engine Seam Grey and blue metal	Fs.	F			Ft.		Brought forward 2 4 3 52 1 1  Three Quarter Seam— — Ft. In.
and metal stone Strong white post, with a mixture of		1	0				COAL 1 6 Blue metal 0 6 COAL 0 4
whin							0 2 4
Grey metal stone, with	_		_	7	4	5	Grey metal stone and girdles 1 5 0 COAL — Main Coal
post girdles				2	1	4	Seam 0 3 1
Black metal Grey metal and metal	0	0	6	_	-		Grey metal 0 1 6 Strong white post,
white post, with water.	0						with water 5 0 7 Grey metal stone 1 2 6 COAL, with water 0 1 6
Grey metal		4	о —				7 0 1
Carried forward	2	4	3	<b>52</b>	1	1	Carried forward 64 3 10

#### No. 2,011.—THROCKLEY.—CONTINUED.

·	
Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 64 3 10	Brought forward 10 3 6 64 3 10
Grey metal, with water 0 1 6	COAL, with some
Blue grey metal stone,	small danty scames
with girdles and	and pieces of splint
water in places 4 5 6	near the bottom and
	water 0 3 1
Strong white post, with water 5 2 6	11 0 7
	In grey metal 0 2 0
Carried forward 10 3 6 64 3 10	Total 76 0 5

# No. 2,012.—THROCKLEY.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. 54° 59′ 11″, Long. 1° 46′ 16″.

Account of No. 1 Borehole, at Boundary between Throckley and Heddon Royalties, on Haugh Ground. Began October 10th, 1837; ended January 26th, 1838.

		***************************************					
Fs. Ft. In. 1	Fs. Ft. In.	70 110	Fs.	Ft.	In.		Ft. In.
Soil 0 4 0		Brought forward				21	1 4
Brown clay 0 3 0 Blue clay 0 2 8 Sand and water 0 1 6		Grey metal		0	6		
Blue clay 0 2 8	1	Grey metal stone, with					
		metal partings	2	3	6		
Gravel 1 3 0		Grey metal and beds					
Sand, with water and 10 4 10	*	of post)					
some small coals \ 1 2 0		Grey metal, mixed	^	-			
Stony clay 3 1 0		with coarse coal	0	$\frac{1}{3}$	4		
	8 4 0	Grey metal	0	3	7		
Grey metal, with some		Strong white post,	0	1	0		
snappy girdles 2 4 3			9	1	9		
Black metal, with		Soft parting, with much water	Λ	0	0		
scares of coal 0 2 0			U	U	9		
Grey metal 0 4 9		Hodge Seam— Ft. In.					
COAL 0 0 1		Grev metal 2 0					
0 /1 / 2/1	3 5 1	Grey metal 2 9					
Grey metal stone, with			0	4	9		
ironstone girdles 2 0 11						7	4 .
Dark metal, scared		O					
with $coal$ and water $\begin{array}{cccc} 0 & 2 & 0 \\ \text{Grev metal} & \dots & 1 & 0 \end{array}$		Grey metal stone, with	9	3	1		
		post girdles	4	J	L		
Strong white post, with water 4 0 4	-	White post, mixed	9	4	h		
		with whin	4	12	•		
Grey metal stone, with post girdles 0 3 4		Dark grey metal, with	0	3	3		
COAL—Engine Seam 0 3 8		post girdles	0	U	U		
Thy the Beath 0 5 8	8 4 3						
	0 7 0						
Carried forward 2	21 1 4	Carried forward	5	4	11	28	5 6
Conticu to ward							

^{*} Approximate sea level (Ordnance datum).

#### No. 2,012.—THROCKLEY.—CONTINUED.

Brought forward		Ft. In 4 11			In. 6	Fs. Ft. In. Fs. Ft. In. Brought forward 4 2 3 44 2 3
Three-Quarter Seam-						Strong post, with
Ft. In.						Water 4 0 4 Whin 0 1 6
COAL 2 1						
Grey metal 2 6	^	4 10				White post, with water 1 4 4
	0	4 7		3	6	0 11 100
White most with whin			6	9	O	COAL (supposed
White post, with whin	0	2 4				Splint Seam) 0 1 3
girdles Grey metal stone, with	U	2 9				* /
	1	5 10				
post Grev metal	0					Grey metal stone,
COAL - Main Coal	U	1 3				mixed with post
Seam	0	3 2	,			girdles 0 5 5
			3	0	8	White post, with beds
Seggar clay	0	0 10		Ť	ŭ	of ironstone 1 3 4
Strong white post,						Strong white post,
with metal stone						with blue grey metal
partings and water	3	2 9				partings 1 1 0
		0 0	)			Strong white post 4 0 0
COAL	0	1 0				Grev metal 0 2 9
			. 5	4	7	COAL 0 0 9
Grey metal	0	2 7				8 1 3
White post, with metal						Grey metal stone 0 3 0
stone partings	1					arcy metal stone in
Whin	0					
White post	0	1 6				
Grey metal stone, with						
white post girdles	1	4 6				
~					_	m + 1
Carried forward	4	2 3	44	2	3	Total <u>65 1 4</u>

This borehole was put down, by Mr. Clayton's authority, on the ground belonging to Mr. Bates, this situation having been chosen (on the Haugh) lest the upper seam on the Throckley side should have been worked.

## No. 2,013.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. , Long.

Account of Strata bored through for the Throckley Coal Company, near the Northeast Corner of the Plantation in front of Mr. Stephenson's House. Begun February 26th, 1838.

Small coal and ballast Yellow clay Gravel Loamy sand	0 0 1	$\frac{1}{3}$	6	Brought forward Leafy clay Loamy saud Grey metal	0 1	3 4	0 6	. Ft.	In.
Carried forward	2	3	6	Carried forward	7	0	6		

# No. 2,013.—THROCKLEY.—Continued.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	7	0	6				Brought forward 38 5 8
Brown rotten post	0	5	6				Grey metal 0 1 9
		0	0				
Grey metal, with		_	_				Grey metal stone, with
brown post girdles	1	5	0				post girdles 0 4 2
Grey metal stone, with							White post, with water 0 1 6
	1	0	0				
metal partings							
COAL, foul	U	2	0				Grey metal stone,
		•		11	1	0	with post girdles 1 4 4
				11	-	0	- 0
Grey metal stone, with							Ft. In.
post and strong							COAL, foul 0 2
	4	1	e				COAL 2 6
metal girdles	4	1	6				COAL, splint 0 3
White post	0	2	6				
Grey metal stone	1	5	0				— 0 2 11
W1 7 1 1	ī	0	0				- — 3 4 9
							0 11
Grey metal stone	1	1	8				Grey metal 0 2 4
Grey post	0	4	0				Grey metal stone, with
Grey metal and metal							post girdles 2 0 10
	1	2	4				White post, with water 0 3 6
0041							
COAL	0	0	5				Grey metal stone 0 5 0
				10	5	5	White post, with metal
				10	U	9	partings and water 1 2 2
Grey metal stone	0	0	5				
Brown post, with	_	_	_				Grey metal stone and
	_		0				post girdles 0 4 1
metal partings	0	3	6				Ft. In.
Grey metal stone and							COAL 1 6
post girdles	1	3	2				
VI71		0	6				Metal band 0 2
	0						COAL, foul,
White post	0	1	0				mixed with
Whin	0	1	0				
White post	0	1	0				
	0	-	0				0 2 3
Grey post, mixed with							6 2 2
metal stone	1	1	0				0 11 1/1
White post, with metal							Grey metal, with seg-
							gar clay 0 2 6
partings and whin	_	_	_				Grey metal stone, with
girdles	3	5	5				bods of most and
COAL—Engine Seam	0	4	11				beds of post and
					_		seggar clay 6 2 10
		_		8	3	11	Strong dark metal
Soft and amount 1	0	1	0				1
Soft and grey metal	0	1	9				
Grey metal stone, with							girdles 0 5 0
post girdles	0	3	2				Ft. In.
COAL, hard and							COAL 1 0
	0	0	^				Grey metal,
brassy	0	2	0				
				1	0	11	mixed with
					0	TT	coal 0 4
Grey metal stone	1	0	3				COAL, having
COAL	0	1	6				
	•	•	U				
				1	1	9	ance of splint
Cham mast-1	0	7	0				at bottom, but
Grey metal	0	1	6				not decided 3 1
Grey metal stone	3	5	2				
Whin	0	1	1				0 4 5
Grey metal stone,	~	_	_				0 0 0
	-	0	_				8 2 9
with post girdles	1	0	3				Into grey thill 0 0 3
Ft. In.							8 V
COAL 2 1							
COAL 2 1							
Grey metal band $0   2\frac{1}{2}$							
COAL 2 1							
Grey metal band $0   2\frac{1}{2}$		2	8				
Grey metal band $0   2\frac{1}{2}$		2	8	5	4	8	
Grey metal band $0   2\frac{1}{2}$		2	8	5	4	8	
Grey metal band 0 2 1 COAL 0 4 2	0		8	_		_	Total 57 3 7
Grey metal band 0 $2\frac{1}{2}$	0		8	5 38	4 5	8 8	Total <u>57 3 7</u>

# No. 2,014.—THROCKLEY.

#### TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 54° 59′ 12″, Long. 1° 45′ 32″

Sinking Account of the Isabella Pit, Throckley Colliery. Commenced April 25th, 1867.

Approximate surface level 40 feet above sea (Ordnance datum).

														-
(7 7 7			Ft.	-	Fs.	Ft.	In.	D 1/6 1		Ft.			~	-
Sand and grav	el	2	0	0				Brought forward	7	3	8	18	3	7
Clay	• • • • • • • • • • • • • • • • • • • •	0	1	0				Engine Seam-						
Post		2	3	0				COAL 0 7						
Clay		0	1	0				Dand 0 0						
COAL		0	0	3				Band 0 2						
					4	5	3	COAL 3 9						
Metal, with po	st	0	5	0					0	4	6			
Post		0	1	8								8	9	0
Metal		0	4	0								0	2	2
COAL DI		(0)	0	1				Good seggar clay	0	2	6			
COAL—Rule	r seam	10	1	6			*	Seggar clay, mixed						
		. 0			2	0	3	with post	0	3	0			
Post and metal	1	0	5	0	4	U	o o	COAL-Hodge Seam	0	2	0			
35-4-1		1	1	0								1	-	C
		0	1	0								1	1	6
Post		-	_	_				Grey post	0	1	6			
Blue metal	• • • • •	1	2	0				White post	0	3	4			
Grey post	• • • • • • • • • • • • • • • • • • • •	1	2	3				Grey metal	0	3	2			
Blue metal		0	1.	4				Black stone	0	0	4			
Post	• • • • • • • • • • • • • • • • • • • •	0	4	9				COAL - Tilly Seam	0	2	6			
Seggar clay		0	0	7					Ŭ	_		-		10
Blue metal, w	ith gir-											1	4	10
dles		1	2	0				Seggar clay	0	2	4			
Grey post, with	h metal	1	2	10				Grey metal	0	1	0			
White post		0	5	2				Whin	0	2	6			
Whin		0	1	6				Blue metal	Õ	ī	10			
Grey post		0	1	7				COAL - Hand Coal	Ŭ	_				
Black stone		0	1	7				Seam	0	0	1			
COAL		0	-0	4				Scano	U	v				
					10	0	11				_	1	1	9
					10	4	11	Seggar clay	0	1	6			
(Drift between	pits he	re.)						Guar matal	ĭ	0	6			
Seggar clay		Ó	5	0				Stunna amor most	0	5	9			
Black stone		0	1	9				W/Isian	0	1	6			
COAL		0	0	5				Character	0	4	3			
					-	-	9	Whin	0	1	2			
					1	1	2			_				
Grey metal		0	0	9				Blue stone	0	0	6			
Post girdle		0	1	2				White post	()	0	4			
Marl		0	0	6				Grey post	1	1	2			
Blue metal		0	4	0				Stone Coal Seam-						
Grey metal		1	2	6										
Post		ĩ	3	ĭ				COAL 2 6						
Whin		ô	2	0				Seggar band 0 3						
Post		0	0	5				0041						
Whin		0	1	6				COAL 0 4	0	9	1			
Deat		2		10					0	3	1	-	1	
Dina madal		0	0	6				Common alas-		-		5	1	9
Dogt		0	4	5				Seggar clay	0	1	0			
1080	• • • • • • • • • • • • • • • • • • • •	U	4	J				Grey post girdles	0	3	4			
								White post	1	5	2			
								at the second						
Carried for	rward	7	3	8	18	3	7	Carried forward	2	3	6	36	3	7

^{*} Approximate sea level (Ordnance datum).

# No. 2,014.—THROCKLEY.—CONTINUED.

Brought forward 2	Ft. In. 3 6	Fs. 36		In. 7	Fs. Ft. In. Fs. Ft. In. Brought forward 46 4 5
Main Coal Seam-					
					Grey metal 2 2 6 Seggar clay 0 2 0 Black metal 0 5 2
COAL, good 3 6					Black metal 0 5 2
COAL, good 3 6 COAL, coarse 0 4					COAL 0 0 4
0	3 10				3 4 0
_		3	1	4	Post 0 2 0
					Blue metal 1 1 1
		39	4	11	Hard post 0 2 0
NOTE The depth	=				Blue metal 0 2 0
at the opposite side of					Hard post 0 2 0 Blue metal 0 2 0 Post 0 1 4
pit is 40 fs. 3 ft. 0 in.,					Black shale, very soft 0 0 8
caused by a hitch run-					Strong post 2 0 6
ning across seggar					Grey metal 0 2 0
clay and post.					310J motal 0 2 0
ciay and post.					Brockwell Seam-
Recommenced at		40	3	0	Ft. In.
	0 7		_		COAL, top 0 9
Seggar 0	2 7				Band stone 0 4
	$\begin{array}{ccc} 0 & 5 \\ 1 & 3 \end{array}$				COAL, good 2 11
	1 3				Splint 0 6
(Water about 730 gals.					0 4 6
per minute.)	F 11				5 4 1
Blue metal 0	5 11				
COAL 0	3 3	0	-	_	
****		6	1	5	
Carried forwar	d	46	4	5	Total 56 0 6

# No. 2,015.—THROPTON.

TOWNSHIP OF THROPTON, NORTHUMBERLAND.

Sheet 44 of Ordnance Map. Lat.

, Long.

Account of Boring at Thropton West Field, belonging to Thos. Fenwick, Esq. December 6th, 1848.

Approximate surface level feet above sea (Ordnance datum).

~	· Fs.	Ft.	In, Fs. Ft. In.					Fs.	Ft.	In.
Soil	. 0	2	6	Brought forward	13	5	0			
	. 1		0	Metal and metal stone	4	1	0			
Limestone ramble .	0	4	6	Strong limestone	0	3	0			
Strong blue limestone	9,			Metal stone			0			
with parting .	. 1	2	0 -	Limestone	0	4	0			
Sand and water .	. 1	4	0	Grey post						
Soft blue limestone.	2	0	0	Limestone	1	0	7			
Dark grey metal .	1	3	0	Metal stone	4	4	5			
Brown post, wit				In strong white post	2	3	6			
	. 1	2	0	1			_	28	4	6
Strong blue limeston	е.									
	3	4	0							
Carried forward	13	5	0	Total				28	4	6
20111111	10	0	•	10001			=		_	<u> </u>

N.B.—I am of opinion that coal will be found about 10 fathoms further.—G. Stott.

#### No. 2,016.—TOGSTON.

TOWNSHIP OF TOGSTON, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat. 55° 18′ 30″, Long. 1° 36′ 16″.

Strata at Togston Colliery, Acklington, from the Surface to the Yard Seam.

Approximate surface level 94 feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil 0 3 0		Brought forward 17 0 0
Clay, with boulder		Thill 0 3 0
stones 1 0 0		Strong white post 7 3 0  Blue metal 1 2 0
COAL, coarse 0 2 6		Blue metal 1 2 0
1 5	6	Middle, Main or Duke
Blue metal, with iron-	_	Seam— Ft. In.
stone girdles 1 0 0		COAL, coarse 1 0
		COAL, good 4 3
COAL, good 0 2 0 1 2	0	0 5 3
	U	10 1 3
Grey metal, with iron-		TUL:11
stone girdles 12 0 0		
Mussel scarp 0 1 0		
Blue and black metal { 0 1 6		
Dide and black metal 0 0 6	本	2 3 0
Top or Princess Seam—		Blue metal 1 2 0
Ft. In.	1	White whin 0 4 0
COAL, good 1 8		Strong blue stone 2 0 0
Metal band 0 6		Freestone band 0 0 2
		Yard or Bottom Seam—
		Ft. In.
COAL, splint,		COAL, foul 0 4
good 1 10		COAL, good 2 6
1 1 6		0 2 10
<del></del>	6	4 3 0
Carried forward 17 0	0	Total 34 1 3
Carried forward 17 0	U	10tai 54 1 5

^{*} Approximate sea level (Ordnance datum).

## No. 2,017.—TOGSTON.

TOWNSHIP OF TOGSTON, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat. , Long.

Sinking Account at Togston Colliery.

Blue metal Whinstone Blue metal Blue metal, mixed	$\begin{array}{ccc} 1 & 4 \\ 6 & 4 \\ 0 & 1 \end{array}$	0 9 3 6	Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In. Brought forward 10 1 0  Four-Quarter or Princess Seam— Ft. In. COAL, splint 1 0 Blue metal 0 6 COAL 4 0 ———————————————————————————————————
				11 0 6
Carried forward	10 1	0		Carried forward 11 0 6

#### No. 2,017.—TOGSTON.—CONTINUED.

	Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In
Brought forward	11 0 6	Brought forward 4 5 0 19 5 0
White thill	3 0 0	Blue metal 0 4 0
White whinstone		Sandstone 0 1 8
Blue metal, mixed with		Blue metal 1 5 0
coal		Black dant 0 0 6
COAL - Five-Quar-		Three-Quarter or Yard
ter or Duke Seam		Seam- Ft. In.
00, 0, 2 1110 10 1111	8 4 6	COAL, splint 2 4
Bored further :-	0 2 0	Band or splint 0 3
Blue metal	2 5 10	COAL, inferior 0 8
COAL		— 0 3 3
	1 4 6	
Sandstone	1 4 6	8 1 5
Carried forward	4 5 0 19 5 0	Total 28 0 5

## No. 2,018.—TOGSTON.

#### TOWNSHIP OF TOGSTON, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat. , Long.

#### Boring Account at Togston Barns.

Approximate surface level feet above sea (Ordnance datum).

Soil and clay Sand, with water Clay Whin tumbler Clay Whin tumbler	•••	3 0 2 0 0	0 $2$ $3$ $1$	0 2 0 0 5	Fs. I	Ft. In.	Brought for Clay, with thin of sand Clay, with stone Soft blue stone Hard blue stone	beds	6 1 0	1 0 5 3	5 0 7 0	Fs.	Ft.	In.
Carried forwa	rd	6	1	5			Total	•••				9	2	0

# No. 2,019.—TOGSTON.

TOWNSHIP OF TOGSTON, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat.  $55^{\circ}$  18′ 20″, Long.  $1^{\circ}$  33′ 51″.

Account of Strata bored in the East Field on Togston Low Hall Farm. 1868.

Clay { Fs. Ft. In. Fs. Ft. In. 3 2 0 **	Fs. Ft. In. Fs. Ft. In. Brought forward 11 1 3
Post, with grey slate	coal, with 2 inches of band 3 feet from top of seam 0 5 2
partings 4 3 0	12 0 5
Carried forward 11 1 3	Carried forward 12 0 5

^{*} Approximate sea level (Ordnance datum).

# No. 2,019.—TOGSTON.—CONTINUED.

Brought forward Blue shale Post, with grey shale partings Black stone Grey shale Post, with grey shale partings White post Whin Post, with shale partings Blue shale COAL	1 4 0 1 0 1 0 3 2 1 4 2 0 2 2 0 0 2	8 5 10 0 2 6 0 9	Fs 12	Ft. 0	In. 5	Brought forward Blue shale 0 5 7 Post 0 1 0 Blue shale 0 5 9 Post girdle 0 2 4 COAL 0 1 10 Blue shale 0 2 4 COAL 0 1 10 Blue shale 0 2 8 Grey shale, mixed with post girdles 2 1 5 Whin 0 0 10 Grey shale, with post girdles 1 1 0 White post 1 1 0 White post 0 0 6 Blue shale 0 0 6 Blue shale 1 1 0
						<del></del>
0 10	1				_	M-4-1 94 1 4
Carried for	ward		26	0	8	Total 34 1 4

# No. 2,020.—TOW LAW.

#### TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat.

. Long.

Bored Three Holes on Tow Law Estate, near Thornley Pit House, belonging to the late George Pearson, by George Rawling. 1797. First Hole near Tow Law Hill, about 100 yards North from the Burn.

Soil and stony clay Grey metal COAL Soft loose metal COAL	Fs. Ft. In. Fs. Ft. In.  1 2 8 1 3 4 0 0 10 0 3 0 0 0 6	Brought forward 3 3 10 3 4 4 6 Grey girdly post 1 2 6 Soft blue metal 0 2 0 COAL, soft 0 2 0 White and grey metal,
Blue metal  Grey post  Blue metal  Grey post  Blue metal  Grey post  Blue metal	1 0 0 0 0 7 0 2 0 0 2 8 0 2 0 0 5 4 0 1 6	with girdles 0 2 6 Post girdle 0 1 0 Blue metal 1 3 0 COAL 0 3 0 Blue metal and girdles 1 4 0 Strong white post,
Grey post Blue metal  Carried forward	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	mixed with whin 0 0 10  Total 1 4 10

# No. 2,021.—TOW LAW.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat.

, Long.

No. 2 Hole, 200 yards North of Tow Law Hill, in an Intake.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. Strong grey metal and girdles 0 3 6  Grey shivery post and water 0 1 0 0 1 5  Grey metal stone and post girdles 0 3 0  Grey metal 0 3 0  Grey thill 0 3 0  Grey thill 0 3 0
Strong grey metal and girdles 0 3 6
water        1       2       6         Grey metal        0       1       0         Grey post        0       1       0         Blue metal        0       0       6         COAL        0       1       5       0       11         Grey metal stone and post girdles        0       1       6       6         Blue metal stone and post girdles        0       1       6       6         Whin mixture        0       0       1       0       0       1       6         COAL        0       3       0       0       0       1       0       0       0       1       0       0       1       0       0       0       0       1       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0 <td< td=""></td<>
Grey metal          0         2         6           Grey post          0         1         0           Blue metal          0         0         6           COAL          0         1         5           Grey metal stone and post girdles          1         0         0           Blue metal          0         3         0           COAL          0         3         0           COAL, foul          0         0         3            0         0         3         3 <t< td=""></t<>
Grey post 0 1 0 Blue metal 0 0 6 COAL 0 1 5 Grey metal stone and post girdles 1 0 0 Blue metal 0 3 0 Blue metal 0 3 0 COAL 0 3 0 COAL 0 0 3 COAL 0
Blue metal 0 0 6 6
Grey metal stone and post girdles          1         0         0         1         6         5         0         11         6         5         0         1         6         6         5         5         0         1         6         6         6         5         1         6         6         6         6         1         6         6         6         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9
Grey metal stone and post girdles 1 0 0 Blue metal 0 3 0 Grey and blue metal, with girdles 2 4 6 Soft blue metal 2 5 Soft blue 2 S
Grey metal stone and post girdles         1 0 0         whin mixture         2 0 4           Blue metal         0 3 0         Grey and blue metal, with girdles         2 4 6           COAL, foul         0 0 3         Soft blue metal, with coal pipes near
Description
Blue metal 0 3 0  COAL 0 3 0  COAL, foul 0 0 3
COAL 0 3 0 with girdles 2 4 6 Soft blue metal, with coal pipes near
COAL, foul 0 0 3 Soft blue metal, with coal pipes near
2 0 3   coal pipes near
Grev thill 0 3 0 bottom 0 1 6
Grey metal and post COAL 0 2 6
girdles 4 1 0 Soft blue metal 0 0 5
Grey post 1 1 0   COAL 0 3 9
Blue and grey metal ————————————————————————————————————
and girdles 1 0 10 In grey metal stone 0 1 0
COAL 0 0 9
Carried forward 7 0 7 7 1 2 Total 22 2 7
2000 111

# No. 2,022.—TOW LAW.

#### TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat.

, Long.

No. 3 Hole, near Tow Law, on the Common, about 300 yards North of No. 2.

Soil and strong clay    Brown rambly post    Grey metal stone    Grey metal stone    Black metal    Black metal    Grey metal stone, with girdles    Signature St. Ft. In. Fs. Ft. In. St. In. St. Ft. In. St.	Brought forward 5 5 6 3 4 8  COAL 0 1 0  Grey metal 1 1 0  Strong white post, mixed with whin 1 1 0  Whin 0 1 6  Strong white post 3 3 0  COAL 0 0 5
Carried forward 5 5 6 3 4 8	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$

## No. 2,022.—TOW LAW.—CONTINUED.

Brought forward	Fs.	Ft.	In.		Ft.	In. 1	Brought forward Fs. Ft. In. Fs. Ft. In 19 2 5
Grey metal stone, with		_					Blue grey metal 1 0 8
girdles							Grey post, mixed with with whin 2 0 0
Grey metal	0	5	0				In grey metal and
COAL	0	0	4	3	2	4	post girdles 2 3 0
`				_	_		3 3 8
Carried for	war	d		19	2	5	Total 25 0 1

#### No. 2,023.—TOW LAW.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat. 54° 45′ 8″, Long. 1° 49′ 12″.

Strata sunk in a Staple in Tow Law Royalty, near the North End of Black Prince Cottages. September, 1848.

Approximate surface level 1,002 feet above sea (Ordnance datum).

	In. Fs. Ft. In. Fs. Ft. In.
Yellow clay 0 2	6 Brought forward 5 2 $1\frac{1}{3}$
Blue gravelly clay 2 0	
Grey metal, with iron-	COAL 0 1 11"
stone 1 0	2 5 4 7
Grey post girdle 0 1	O Grey posty seggar O 2 4
Grey metal, with iron-	Grey metal 0 1 9
stone 0 2	$2\frac{1}{2}$ White post 0 1 $1\frac{1}{2}$
stone 0 2 White post 0 2	$9\frac{1}{2}$ Grey metal, with iron-
Grey metal, with iron-	stone $0   2   6\frac{1}{2}$ 0   COAL-5/4   Seam   0   3   3
stone 0 2	0 COAL—5/4 Seam 0 3 3
stone 0 2 White post 0 3	$\frac{5\frac{1}{2}}{}$
Carried forward 5 2	$1\frac{1}{2}$ Total *7 3 7
Af. 1	
* Annro	vimete see level 9561 feet helow this

# * Approximate sea level $956\frac{1}{2}$ feet below this.

#### No. 2,024.—TOW LAW.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat.

, Long.

Account of the Boring in Tow Law Royalty, about a mile and a half down the Fell from the old Tow Law Pit. May 17th, 1852.

Stony clay Brown post Metal	40	3	0	Fs. Ft. In.	Brought forward 5 1 6  COAL 0 0 6  Metal 0 110  COAL 0 0 11
Carried forward	5	1	6		Carried forward 5 4 9

# No. 2,024.—TOW LAW.—CONTINUED.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 5 4 9	Brought forward 5 5 6 17 2 9
Metal and coal 0 0 4	Grey metal and metal
COAL 0 0 5	stone, with ironstone
Grey metal 0 0 3	girdles about 1 inch
COAL 0 0 2	thick, lay from 1
Grev metal 0 0 3	foot to 2 feet apart 3 2 0
Soft brown post 0 2 0	COAL 0 1 3
Grey metal 0 0 4	Grey metal 0 5 6
COAL 0 0 6	White post, mixed
Gullety post 2 4 6	with whin 1 4 6
Brown metal 0 4 0	Dark grey metal 1 3 0
Grey metal 0 5 0	COAL 0 0 8
Grey post 1 0 0	Grey metal stone 0 2 0
Grey metal 2 3 0	Strong white post 2 0 0
White post, set away	COAL 0 0 10
the water at 4 feet 2 2 2	Grey metal 0 3 6
Grey metal 0 1 6	COAL 0 0 6
COAL, good 0 3 7	Grey metal 0 1 9
17 2 9	COAL 0 1 0
Grey metal 0 0 6	Grey metal stone 0 4 0
White post 1 0 0	Into strong grey post,
Dark grey metal 1 5 0	mixed with whin 0 4 5
Grey post 3 0 0	——————————————————————————————————————
drey post o o o	
Carried forward 5 5 6 17 2 9	Total 36 1 2
Carriculturalu 0 0 0 17 2 9	10tal 30 1 2

# No. 2,025.—TOW LAW.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat.

, Long.

Strata passed through in Three Boreholes put down near Thornley Pit House. 1864. No. 1 Borehole.

Soil 0 0 6 6 Clay and gravel 0 3 5 Stone and gravel 0 4 1 Grey post 0 3 7 Parting 0 2 4  COAL — Top Five- QuarterSeam 0 2 1 ———————————————————————————————————	Brought forward  Grey metal 0 5 9 Freestone post 1 0 4 Hard post 1 0 6 Forced ground 0 5 6
Carried forward 2 4 0	Total <u>6 4 1</u>

# No. 2,026.—TOW LAW.

#### TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat.

, Long.

#### No. 2 Borehole.

Approximate surface level feet above sea (Ordnance datum).

Seggar clay, with coal pipes 1 1 $6\frac{1}{2}$ Seggar clay, with coal Grey post 1 3 6 Grey post 3 3 $1\frac{1}{2}$ Grey post $\frac{1}{3}$ $\frac{3}{5}$ $\frac{1}{5}$ $\frac{1}{5$	Soil Yellow clay COAL	1 1 3 Grey post Grey metal, and iron-	
	pipes	1 1 6½	6 5 6

# No. 2,027.—TOW LAW.

#### TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat.

, Long.

#### No. 3 Borehole.

***	0 0 =	2 3 3	Brought forward Black lump — Top Five-Quarter Seam  Seggar clay Freestone post Metal COAL	0 2 1		
Carried forward	6 2 1	2 3 3	Total	=	11 5	2

# No. 2,028.—TOW LAW.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat. 54° 46′ 4″, Long. 1° 47′ 56″.

Section of Strata sunk through in a Stuple on Hill Top Farm, near Tow Law.

March 24th 1868.

Approximate surface level 920 feet above sea (Ordnance datum).

Blue metal Post Three-Quar COAL Band COAL		0 6	2 0 1	6 - 5 0	Fs. 7	Ft.	In.	Brought forward 0 2 6 7 1 6  Blue metal 1 0 0  Post 1 0 0  Grey beds 5 0 0  Post 0 4 0  Grey beds 5 3 0  Post 2 4 0  COAL—Little Seam 0 2 1  Band 0 0 6  Metal and clay 0 5 6
Fire clay	forward	~	0 0	9 4 - 6	7	1		COAL—5/4 Seam 0 3 10

Note.—This staple is used for ventilating.

* Approximate sea level 867 feet below this.

## No. 2,029.—TRANWELL.

TOWNSHIP OF TRANWELL AND HIGH CHURCH, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 8′ 26″, Long 1° 42′ 47″.

Details of Boring at Tranwell, 3 yards South of South End of Reservoir.

Approximate surface level 300 feet above sea (Ordnance datum).

Sand	Fs. Ft. In. Fs. Ft. In. 1 0 0	Brought forward	Fs. Ft. In 6 5 0		In.
Grey post Dark metal	4 1 0 · · · · · · · · · · · · · · · · · ·	Grey post	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
COAL	$\frac{0 \ 0 \ 6}{0 \ 0 \ 0} = \frac{0 \ 0 \ 0 \ 0}{0 \ 0 \ 0}$	Grey metal		11 2	0
	2-20	Grey post	8 4 0	)	
	$\begin{array}{cccc} 3 & 0 & 0 \\ 1 & 3 & 0 \end{array}$	Dark metal	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-	
				12 1	<u> </u>
Carried forward	6 5 0 6 1 0	Carried for	ward	29 4	0

## No. 2,029.—TRANWELL.—CONTINUED.

Brought forward	Fs.	Ft.			Ft. 4		Brought forward 6 2 6 30 4
Grey metal							Grey post 0 3 0 Grey metal 1 3 0
	3			1	0	6	Grey post 1 0 0 Grey metal 4 3 0
Grey post Grey metal	1	3	0				13 5
Carried forward	6		_	30	4		Total 44 4

# No. 2,030.—TRIMDON.

TOWNSHIP OF TRIMDON, DURHAM.

Sheet 36 of Ordnance Map. Lat. , Long.

Section of Strata sunk through in Trimdon Staple. September 26th, 1842.

		_			_	-
			In.			-
Outset 3 2 0 Brought forward	10	1	0	71	0	9
Soil 0 1 0 Black metal, mixed	_	_	_			
Clay 5 2 0 with coal	0	1	0			
Marl 6 0 0   Main Coal Seam—						
Limestone 42 3 6						
54 0 6 COAL, tender 1 5						
Dark grey metal 0 1 6 Band 0 6 COAL good 3 0						
To la di						
COAL. COarse U						
Yellow clay partings. 2 0 0	0	5	6			
Dark yellow sand 1 2 6				17	2	0
Whin 0 0 10 Thill stone	0	2	0			
Grey metal stone 1 2 0 Grey metal	5	4	0			
Whin (error in copy- Thill stone, scared						
ing) with coal	0	1	2			
Grey metal stone (error Strong grey metal	Ŭ	_				
in copying) — stone	2	3	0			
Red and grey post 4 1 0 COAL		1	0			
Whin 0 0 8	C.	Т	U	8	õ	2
D 1 1				0	J	-
Oley metal stone, with	4	0	0			
Bull distriction of the state o	1	0	8			
Dark metal, mixed	_	_				
11- 2/4 C 0 4 4	0	0	4			
COAL TIAGE OF THE CALL, INTACT						
with post girdles	5	0	9			
13 4 3 White grey post	7	2	9			
Thill stone 0 3 0 Grey metal	0	4	4			
Blue metal stone 1 3 0 COAL—Low Main						
Grey metal stone 1 2 0 Seam	0	3	7			
Grey post 0 1 0				15	0	5
Grey metal stone 9 0 6 Grey metal stone	5	3	9			
Grey post 3 4 0	0	Õ	4			
orej post o i o	_			5	4	1
Carried forward 16 1 6 71 0 9 Carried forwa	rd		1	18	0	5
Carried forward 16 1 6 71 0 9   Carried forward	u		-			

# No. 2,030.—TRIMDON.—CONTINUED.

Fs. Ft. In. Fs. Ft. In	
Brought forward 118 0	
Strong grey metal	Grey metal 0 1 6
stone, inclining to	Grey post 0 0 5
post, with hard	Whin 0 3 2
girdles 1 4 4	Grey post 0 0 4
Strong white post 0 3 6	Grey metal stone, with
	post girdles 0 3 4 Whin 0 2 0
	111 111 111
Train income stories	Grey metal stone, with
Grey metal stone, with	girdles 4 2 10
girdles 8 3 5	White post 1 1 2
Hutton Seam - Ft. In.	Grey metal stone 4 2 0
COAL, coarse 1 10	Strong grey metal
COAL, coarse	stone, inclining to
and splinty 0 6	post 2 0 5
and spirity 0 0 2 4	Dark grey metal, with
15 4	
Black stone 0 0 10	Strong grey metal,
Dark metal 0 0 6	with girdles 0 4 10
Grey metal 0 0 6	Grey post, with part-
Grey post 0 2 0	ings 0 5 5
Grey metal stone, with	Grey metal, with gir-
post girdles 1 4 9	dles 0 3 2
Grev post 0 4 6	White post 0 2 2
Grey metal stone, with	Grey metal, with gir-
	100
Providence in the contract of	
COAL 0 0 4	
4 5	2 Sump 4 3 2
Black metal, scared	
with coal 0 0 9	
COAL 0 0 2	
0 0 1	1 1
Carried forward 138 4 1	Total 161 4 7
Carried 101 ward 100 4 1	Y

Note.—Close to North side of shaft is a dip dyke of 14 feet. Five-Quarter Seam is nipped out on South part of pit.

### No. 2,031.—TRIMDON.

TOWNSHIP OF TRIMDON, DURHAM.

Sheet 36 of Ordnance Map. Lat. , Long.

Bored in the Five-Quarter Drift, Trimdon Colliery, about 130 yards South from the Shaft. May 29th, 1843.

Red and grey post Grey metal stone, with post girdles	5 0		Brought forward White post Grey metal stone, with	8	3	
Lass Sarates III			post girdles	1	3	6
Carried forward	8 3	9	Carried forward	10	3	6

# No. 2,031.—TRIMDON.—CONTINUED.

Fs. Ft. In. Fs. Ft. In. Brought forward 10 3 6	Brought forward 17 1 4
White post 2 0 10 Grey metal stone 0 3 3 White post 2 2 4 Grey metal stone 1 1 6	COAL, foul 0 9 COAL 1 0 Grey metal 0 11
Grey post 0 1 7 Black metal 6 0 4	Splint 3 0  Splint 0 4
Carried forward 17 1 4	Dark metal         0 0 1           Total            18 2

# No. 2,032.—TRIMDON.

#### TOWNSHIP OF TRIMDON, DURHAM.

Sheet 36 of Ordnance Map. Lat. 54° 42′ 56″, Long. 1° 25′ 41″.

#### Section of Strata sunk through at Trimdon Colliery. June 8th, 1843.

Fs.	Ft.	In. Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Strong clay 5	0	0			Brought forward 0 3 7 65 2 9
Limestone (staple sunk					Five-Quarter Seam-
to 40 fathoms) 43					
	1				COAL, good 4 1
Yellow partings 0	0	3			Black metal 0 4
		- 54	2	3	COAL, foul 0 9
Brown sandy post,					— 0 5 2
with soft partings					1 2 9
	2				Grey metal stone, with
Whin 0	0 :	10			post girdles 13 2 9
Grey metal stone 1 Grey post 0	2	0			White post 0 3 6
	1	0			Metal, mixed with coal 0 0 6
Red and grey post,					White post 1 3 8
with metal partings 4					Grey metal 0 1 0
	0				Metal, mixed with coal 0 0 4
	0				15 5 9
111 0	1	6			Main Coal Seam—
Strong grey and red	0	0			Ft. In.
post 0	3		_	0	COAL, good 1 2
District 1		- 11	0	6	Grey metal $0.5\frac{1}{5}$
Black metal, mixed					COAL, good 3 0
with coal and grey	9	~			COAL, coarse 0 3
	4	5			$ 0 4 10\frac{1}{2}$
ter Seam 0	0	11			$0410\frac{1}{2}$
0	0.				
Grey metal 0	U	0			
Carried forward 0	3	7 65	2	9	Total *83 4 15
Carried for ward	9	, (10		J	10001 00 1 19
* A	ppro	oxima	te se	a le	vel (Ordnance datum).

# No. 2,033.—TRIMDON.

#### TOWNSHIP OF TRIMDON, DURHAM.

Sheet 36 of Ordnance Map. Lat.

, Long.

Account of Strata bored through below the Main Coal Seam at Trimdon Colliery, by G. Stott. April 7th, 1845.

	Fs.	Ft. I	n. Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	
Metal pipe from thill	0		_			Brought forward	3	1	1	44	3	6
of Main Coal	8	4	3			Grey metal stone, with	7	0	^			
Grey metal stone, with	1	0	8			post girdles Black metal	1	3	9			
girdles Dark metal, mixed	1	0	0			COAL	0	0	4			
with coal	0	0	4			Black metal, scared	U	U	-35			
Grey metal, with post	•	U	<b>T</b>			with coal	0	0	9			
girdles	5	0	9			COAL	ŏ	0	2			
White and grey post	7		9					Ť	_	5	0	1
Very soft grey metal	0	1	4					_	_	U	U	1
COAL - Low Main						Grey metal	0	1	6			
Seam	0	3	0			Grey post	0	0	5 2			
			- 23	1	1	Whin Grey post	0	3	4			
Grev metal stone	5	9	9		_	Grey post Grey metal stone, with	U	U	4			
Grey metal stone	5 0		9 4			post girdles	0	3	4			
	0	U	_		_	Whin	Õ	2	ō			
			- 5	4	1	Grey metal stone, with		_				
Strong grey metal						girdles	4	2	10			
stone, inclining to						White post	1	1	2			
post, with hard	_					Grey metal stone	4	2	0			
girdles	1		4			Strong grey metal						
Strong white post	0		6			stone, inclining to	_	_	_			
Dark grey metal stone	0	Э	2			post	2	0	5			
Strong white and grey	2	0	3			Dark grey metal stone,	Λ	2	0			
Dark metal stone	·1		<b>4</b>			with scares of coal	0	4	U			
Grey metal stone, with	1	U				Strong grey metal, with girdles	0	4	10			
girdles	8	3	5			Grey post, with part-			10			
Hutton Seam-		•				ings	0	5	5			
Ft. In.						Grey metal, with gir-						
COAL 1 10						dles	0	3	2			
COAL, coarse						White post	0	2	2			
splinty 0 6						Grey metal, with gir-						
	0	2	4			dles	1	0				
			- 15	4	4	Black stone	0	0	10			
D1 1 1				-36	4	Harvey Seam—						
Black stone	0	0 1	_			coarse for first 16						
Dark metal	0		6		_	inches	0	3	6			
Grey metal Grey post	0		6 0			inches				18	3	4
Grey metal stone, with	U	4	U			In grey metal stone				0	1	8
post girdles	1	4	9			3-13						
Grey post	ō		6									
			•									
0 1 10		_				Total depth below				00	0	<i>i</i>
Carried forward	3	1	1 44	3	6	Coal Seam		• • •	=	68	2	7

# No. 2,034.—TRIMDON GRANGE.

TOWNSHIP OF TRIMDON, DURHAM.

Sheet 36 of Ordnance Map. Lat.  $54^{\circ}$  42' 54'', Long.  $1^{\circ}$  25' 43''.

Account of Strata sunk through at Trimdon Grange Colliery. Begun May 21st, 1845.

Approximate surface level 500 feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Strong yellow clay 9 0 6	Brought forward 14 0 6 60 1 111
Soft marly limestone 4 4 6 Strong brown lime-	Main Coal Seam—
stone, with water 28 2 7	COAL, top 1 31/2
Strong blue limestone,	Band $0 9\frac{1}{4}$
with water 3 0 8	COAL, bot-
<del></del>	tom 2 $7\frac{1}{2}$ COAL, coarse 0 $9\frac{3}{4}$
Grey whin girdle 0 0 4	
Light grey metal 0 4 0	0 5 6
Strong grey post, with red metal partings 6 1 2	15 0 0
Strong grey post,	Grey metal stone 1 2 6 Very dark grey metal 1 1 2
mixed with whin 6 3 9 .	Very dark grey metal 1 1 2 Strong white stone
Three-Quarter Seam-	
COAL, soft Ft. In.	and partings 0 4 4 Strong grey metal, 1 4 4 0½
danty 0 10 Band 0 9	scared with post ( 0 1 1
COAL 0.11	Dark grey metal, with post girdles 2 2 9
Band $0   1\frac{1}{2}  $ COAL $0   3$	COAL 0 1 0
COAL 0 3	10 4 10½
Band 0 3 COAL 1 0	Grey metal 1 1 8
Band 0 2	COAL 0 0 4
Splint 0 3	1 2 0
$$ 0 4 $6\frac{1}{2}$	Dark grey metal 0 2 9
$14 1 9\frac{1}{2}$	COAL 0 0 10
Five-Quarter Seam—	0 3 7
Ft. In.	Dark metal, with
COAL 3 8	scares 0 2 7
Splint 0 3 —— 0 3 11	Grey metal stone 2 4 6 Black metal stone 0 3 2
0 3 11	Black metal stone 0 3 2 Strong white post 0 3 4
0.3	Dark grey metal 4 3 0
Black slaty stone 0 1 6 Strong grey metal 3 5 6	Low Main Seam-
Black slaty stone, with	Ft. In.
scares of coal 1 0 5	COAL, good 3 1
Strong grey metal 2 5 0 Strong grey post, with	Pricking $0   6\frac{1}{2}$
whin girdles 1 0 0	$ 0 3 7\frac{1}{2}$
Grey and white post,	
with metal partings 4 5 3	the second secon
Black slaty stone, mixed with coal 0 0 10	·
0	Total 97 2 73
Carried forward 14 0 6 60 1 11½	01 2 12

^{*} Approximate sea level (Ordnance datum). .

### No. 2,035.—TRIMDON GRANGE.

TOWNSHIP OF TRIMDON, DURHAM.

Sheet 36 of Ordnance Map. Lat. 54° 42′ 53″, Long. 1° 25′ 44″.

An Account of Strata sunk through in the New Pit, Trimdon Grange Colliery. 1872.

Approximate surface level 500 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft		Fs.		
Loose stones and en-		_	_				Brought forward				82	1	10
gine scars Hard stony clay	1	2	8				Fine blue stone		4				
Hard stony clay	6	1	6				Grey metal stone,		2	2			M.
Red gravelly earth	3	1	6		_		mixed with post )	5	2	4			*
				10	5	8	COAL	0	0	9			
Soft fine marl	3	4	O								6	3	3
Mild limestone	2	3	5				D)	0	- 4	- 4	Ŭ	Ŭ	Ü
Limestone, harder	4	3	3				Blue stone	0	4	4			
Hard brown limestone,							Grey metal, with part-	_	-	٠.			
with water	12	1	2				ings	2		-8			
Hard brown limestone,							Hard post girdle	0	3	4			
with more water	7	1	6				Soft blue metal	4	1	2			
Soft dark gritty sand	Ö	4	2				COAL (including						
Strong metal girdle	0	ō	9				pricking)—Low Main						
Hard blue limestone,	·						Seam	0	3	7			
0 11 0	4	2	0								8	2	1
Soft white post, with	-						Grey post, with part-						
	3	4	0					3	1	2			
partings	U	T	U						4				
Post, with red metal	2	5	3				Post girdle						*
partings	4	9	9				Grey metal	0	2	8			
Hard white post, with	,	0					COAL, splinty	U	U	. 4			
partings	5	2	2								4	3	6
COAL, with black							Strong grey metal	2	5	6			
stone—Three-Quar-	_		_				Grey post, with metal						
ter Seam	1	0	- 6				girdles		1	1			
				48	2	2	COAL, brassy						
Five-Quarter Seam-							o o n = , srassy				5	1	4
Ft. In.							7771 */	_		_			-30
COAL 3 9							White post	0	4	2			
Splint 0 6							Hard grey metal, with		_				
	0	4	3				iron girdles	4	2	9			
	_			0	4	3	Dark blue metal stone	0	3	4			
Soft blue stone	0	2	0				COAL, good—Maud-						
Grey metal stone, with							lin Seam	0	1	7			
scares of coal	8	2	8					_			5	5	10
Grey metal, with post							Fine seggar stone	0	1	6			
girdles	2	4	6					U	1	U			
White post, with blue							Grey metal, with iron	3	3	2			
metal girdles	2	3	4				girdles	9	3	2			
Black stone							Blue metal, with iron	0	0	0			
COAL		1	3				balls	2	0	3			
Stone band	0	0					Hutton Seam-	0	-	10			
		U	J				COAL, good			10			
COAL, bottom—Mai		-2	0				Brass and splint	0	1	1			
Coal Seam	0	3		15	0	6					6	1	10
S-f4 1-1 4	-	1		15	U	6	Black stone	0	0	6			
Soft blue stone		4					Dark grey metal,						
Grey metal stone	_	2	.8				with girdles		1	9			
COAL	0	0	7				Grey post	1	0	10			
				7	1	3	Fine white post	0	1				
							The white post	U	1	J			
11				_				_		_	_	-	
Carried for	wai	rd		82	1	10	Carried forward	4	4	9	11:	9 1	. 8

* Approximate sea level (Ordnance datum).

# No. 2,035.—TRIMDON GRANGE.—CONTINUED.

	EX. CENA	T	T3-1	Y74.	T	
Brought forward	Fs. Ft					Brought forward Fs. Ft. In. Fs. Ft. In. 142 5 7
Grey post, with metal				_		
		7				Seggar        0       5       0         Hard grey metal        4       1       6         White post        1       2       8
partings COAL, splinty	0 0	4				White post 1 2 8
oone, spring			7	0	8	Black stone 0 1 2
Grey post, with a small			·	-	_	D
seam of coal	3 4	1				Busty Seam— Ft. In. COAL 0 10
White post	1 0	4				Stone band 0 3
Dark metal, with iron						COAL 1 10
girdles	4 1	7				
Grey post, with part-						0 2 11
ings	2 4	10				<del> 7 1 3</del>
Strong white post,	0 -	0				
with partings	0 1	0				
Blue metal stone COAL—Harvey Seam		9				
COAL—Harvey Beam	0 3	-	16	3	2	
			10			
Carried fo	rward	1	42	5	7	Total 150 0 10
				_	•	100 0 10

# No. 2,036.—TUDHOE.

#### TOWNSHIP OF TUDHOE, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

Boring on Tudhoe Estate, near the Black Plantation, by W. Coulson.

Depth to bottom of	. In.	Brought forward	Fs.	Ft. I		Fs. 1		
coal 51 4	4 3	Grey metal stone	4	1	0			
COAL—Bottom Busty		White post, with water	2	3 1	0			
Seam 0 1 11		Grey metal, with post						
Dark metal, scared	-	girdles	0	5	5			
with coal 0 2 0		Dark blue metal	0	1	4			
Grey metal stone 2 5 3		COAL, good-Brock-						
White post with water		well Seam	0	3 1	0			
mixed with whin 14 5 8						8	3	5
Black stone 0 0 6								
COAL 0 1 8								
<del></del>	0	_						
					-			-
Carried forward 70 3	3	Total			7	79	0	8
	1						-	-

# No. 2,037.—TUDHOE.

#### TOWNSHIP OF TUDHOE, DURHAM.

Sheet 35 of Ordnance Map. Lat.

, Long.

An Account of the Strata bored through in the Tudhoe Estate, by W. Coulson.

Begun to bore, October 21st, 1837.

				Fs.	Ft.	In.				Fs.		
Clay	3		0				Brought forward 2	1	0	50	0	10
Grey metal	2	2	0				Harvey Seam—					
White post, with water							COAL and					
and metal partings	6	1	0				burns to Ft. In.					
Grey metal, with post	•	_	•				white ashes 2 0					
	1	4	6									
girdles			_				COAL, foul,					
COAL	0	1	5				and splint 0 10					
				14	1	11	0	2	10			
		_	_		_		_			2	3	10
Grey metal	1	0	2				Grey metal, with post					
COAL	0	0	4				girdles and water 2	0	7			
				-	^		COAL, foul 0		11			
				1	0	6	0	U	TT			
Grey metal	0	1	2							2	1	6
XX71 1/	2	ō	0				Grey metal, with thin					
	-	0	U				post girdles 3	2	6			
Grey metal, with post	-	~					Whin 0	1	0			
girdles	1	5	2				White post, with me-					
Black metal	0	1	0				tal partings 1	4	6			
COAL—Hutton Seam	0	2	1				Dark metal, with	T	U			
				4	3	~			_			
				4	9	5	seams of coal 0	2	5			
Grey metal stone	5	1	6				Dark grey metal 1		8			
Grey metal	0	3	0				COAL 0	0	2			
Black metal, with	v		•				_			7	4	3
	0	9	4				Dark grey metal 0	5	9			
threads of coal	0	3	4				COAL 0	-	10			
Grey metal and metal								•	10	1	Λ	H
stone, soft near the							(	0	_	т	0	1
bottom, and water	7	3	0				Grey metal 0		6			
Strong white post,							Whitish grey post 0	1	4			
with whin in some							Brown whin, with					
places and water	2	4	0				water 0	2	8			
							Grey metal, with thin					
Grey metal	1	4	9				post girdles 3	0	1			
Strong white post,							COAL, danty, and		_			
with water	2	0	4					0	0			
Grey metal stone, with							foul - Busty Seam 0	Z	2.		_	
thin post girdles									-	4	3	9
and water	3	3	10				Grey metal, with thin					
Black metal	0	1					post girdles 0	5	0			
Strong white meet	0	1	U				Dark grey metal, with					
Strong white post,							scares of coal and					
with whin girdles			_				whin ball 1	2	9			
and water	5	4	7					4	U			
Grey metal	0	0	7				COAL, foul, and	1	0			
COAL	0	0	4				burns to white ash 0	1	8			
				00	-	0				2	3	5
C			_	30	1	0	Strong grey post 1	1	7			
Grey metal stone, with							Grey metal, with thin					
thin post girdles							post girdles 0	4	6			
and water	2	1	0				Strong white post,	~	0			
							with whin girdles	0	0			
							with whin girdles 6	U	U			
Commiss former	0	1	_		_	10	G	^	7	71	^	-
Carried forward	2	1	0	50	0	10	Carried forward 8	0	1	11	0	2

### No. 2,037.—TUDHOE.—CONTINUED.

Brought forward 8 0 1 71 0 2	Brought forward 1 3 4 80 5 6
Strong grey metal, with post girdles 1 3 0 COAL, with some	Grey metal, with hard post girdles 4 1 6 COAL—Brockwell
small partings 0 2 3	Seam 0 4 2
Grey metal 1 2 10 Black metal, mixed	Grey metal 0 1 0 Strong grey metal, with hard post
with foul coal 0 0 6	girdles 2 3 0 2 4 0
Carried forward 1 3 4 80 5 6	Total 90 0 6

# No. 2,038.—TUDHOE.

#### TOWNSHIP OF TUDHOE, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Borehole made in the Tudhoe Estate, in a Wheat Field on the left hand side of the Lane leading to the Ford by the River Wear.

	Fs.	Ft.	In. I	Fs.	Ft. In.	Fs. Ft. In. Fs. Ft. In.
Strong clay	-2	0	0			Brought forward 28 4 3
Soft brown post, with						Grey metal and metal
water	1	1	0			stone 1 1 3
COAL	0	0	8			COAL 0 0 3
Grev metal	5	2	10			Ironstone girdles 0 0 4
Sandy post	0	3	8			Grey metal stone 1 0 8
Brown post, with	-		-			White post 0 5 0
water	1	0	0			Grey metal stone 0 2 3
Soft brown post, set						COAL 0 0 5
away the water	1	4	2			Black metal 0 0 6
Brown metal	õ	3	0			Grey metal stone 1 4 0
COAL	0	0	7			Black metal 0 1 6
			1	2	3 11	COAL 0 0 9
Soft grey post	5	0	0			Grey metal stone 0 5 0
Grey metal	1	1	0			Grey post 0 1 6
Dark metal	1	0	5			Strong grey metal
Grey metal stone	3	5	8			stone 0 1 11
Grey and white post	3	Õ	8			COAL 0 0 3
COAL	0	0	4			Grey metal stone 0 1 5
Soft brown metal	0	0	6			Grey post 1 0 9
Strong grey metal			•			COAL 0 0 5
stone	.0	1	10			Grey metal stone, with
Strong white post	0	2	0			post girdles 3 4 7
Grey metal stone	0	2	9			Black metal 0 0 2
Dark metal	0	0	6			COAL 0 1 10
Ft. In.						10 / 0
COAL 0 7						12 4 9
Metal band 0 2 COAL 1 5						Grey metal stone, with
						post girdles 4 4 3
Splint 0 6				-		CÓAL 0 0 5
	0	2	8			Grey metal stone 0 1 3
			- 1	.6	0 4	Grey post 6 5 0
			-			
Carried for	varo	ı	2	28	4 3	Carried forward 11 4 11 41 3 0

### No. 2,038.—TUDHOE.—CONTINUED.

Fs. Ft. In. Fs. Ft. In. Brought forward 11 4 11 41 3 0	Brought forward Fs. Ft. In. Fs. Ft. In. 54 3 7
Dark grey metal, with ironstone girdles 1 0 2 COAL 0 1 6	In grey metal stone 2 1 2
13 0 7	
Carried forward 54 3 7	Total <u>56 4 9</u>

This hole was suspended on 7th December, not being required. The Whitworth Coalseam is supposed to lie about 6 fathoms deeper.—G. Stott, borer.

# ... No. 2,039.—TUDHOE.

TOWNSHIP OF TUDHOE, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 43′ 13", Long. 1° 35′ 8".

An Account of Strata bored through upon the Tudhoe Estate. Commenced to bore, May 12th, 1864; bored through the seam October 14th, 1864;, size of borehole, 2 feet diameter.

	t. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
	10	Brought forward 2 4 11 17 3 3
Freestone 1 0		Strong blue metal 1 3 $6\frac{1}{2}$
White post stone 0 5	5 5	COAL 0 1 62
Strong grey and white		${}$ 4 3 11 $\frac{1}{2}$
post 3 0		Seggar clay 0 1 7
Black metal 0 0		Strong grey post $0 2 7\frac{1}{2}$
Ironstone 0 0		Grey post, mixed with
Grey metal 0 1		iron nodules 0 2 1
COAL ,, 0 0	5	Light post 1 3 $2\frac{1}{3}$
	11 1 2	Dark blue metal 1 0 $1\frac{1}{2}$
Seggar clay 0 3	3 5	Blue metal, mixed
Grey post stone 0 .0	0. 8.	with iron 1 1 6
Dark plate 0 1	1 2	Black jet 0 0 10
Grey and white post 0 3	3 3	Blue metal 0 5 3
Grey metal 0 2	2 5	Soft grey post 0 0 9
COAL 0 0		Hard light coloured
	1 5 8	stone $0 \ 1 \ 2\frac{1}{2}$
Seggar clay 1 1		Blue metal, mixed
Grey and white post 0 5		with iron $1   1   3\frac{1}{3}$
Dark metal 0 0		Seggar clay 0 1 2½
Hard grey post 0 1		Hard white post 0 5 2
Blue metal 0 1		Light grey whin stone 0 0 7
Grey metal 0 4		Hard white post 0 2 1
Grey metal, mixed	r -10	Hard brown stone 0 0 9
with i	4 0	Brown whin 0 1 83
COAL		Mixed white post 1 0 11
0 1	4 2 5	Dark blue metal 0 1 11
Seggar clay 0 1		Dark metal or fire clay 0 0 7
		71 1 1
O		
Grey post 2 1	LI	Seggar clay 0 1 3
Carried forward 2 4	11 17 3 3	Carried forward 11 4 5 22 1 2½

# No. 2,039.—TUDHOE.—CONTINUED.

							-
Brought forward 11 4 5 22	Ft. In. $1 \ 2\frac{1}{2}$	Brought forward	Fs. Ft				In.
~ 1 1	1 42		0 4	10	90	2	J
754 7 1		COAL		03			
				04		4	78
		White post mixture	0 1	01		*36	14
		White post mixture					
		Dark metal	0 0	4			
~		Grey post, mixed with	0 0	0			
Blue metal $0  ext{ 1 } 0\frac{1}{2}$		coal	0 0				
Mixed metal 0 1 103		Dark grey stone	0 3				
Grey and white post 1 1 31		COAL	0 0	3		_	
Dark plate or shale $0   0   5\frac{1}{2}$					0	5	34
Hard grey post 0 1 8		Black metal	0 2				
Blue metal, mixed		Dark metal	0 2	$5\frac{1}{2}$			
with iron 3 5 10		Grey stone, mixed					
Black jet or plate $0 2 1\frac{1}{2}$		with iron	0 3	8			
Hard seggar clay 0 2 4		Light post	0 1	4			
Grey post 0 0 10		Grey and white mixed					
Ironstone 0 0 5		post	3 3	11			
Hard grey post 1 3 10		Grey post	0 2	9			
Grey stone, mixed		COAL	0 4	0			
with iron 0 5 3½					C	0	11
Blue plate, mixed with					6	2	$1\frac{1}{2}$
iron 0 2 2½		Dark metal	0 1	2			
		Seggar clay	0 2	3			
Dark blue metal	*	Grey and white mixed					
		post	8 1	1			
Hard grey and white		Brown whin stone	0 0	5			
post 4 0 11		Grey and white post		11			
COAL—Harvey Seam		Dark grey metal	1 0				
(this seam is work-		COAL, mixed with					
ing) 0 2 2	0.01	bands	0 2	6			
27	$26\frac{1}{2}$	Dunas	· -	_		_	
Hard plate, mixed with					12	0	
iron 0 5 7		Dark blue metal	2 0	4			
Hard plate or metal 0 2 3		Dark grey post	0 2				
COAL 003		Blue metal	0 5				
·	2 1	Grey and white post	1 0				
Dark plate or metal,		Brown whin stone '		10			
mixed with iron 1 0 1		White post mixture		10			
Grey and white post 4 1 4		Blue plate or metal	0 3				
COAL 0 0 2		Grey post mixture	0 3				
£	1 7	Blue plate	0 1				
Dark plate 0 0 10			0 1				
COAL 0 0 2		White post mixture	0 3				
(	1 0	Blue plate mixture	0 0				
Hard dark metal 0 4 10	-	Coal metal	0 0	U			
Grey metal, mixed		Plate, mixed with	0 0	7			
with iron 0 4 7.		splint	0 0	7			
Mixed grey and white		COAL - Main Coal		0			
		or Brockwell Seam	0 4	2			
1					8	0	0
		Coor most			0	3	0
		Grey post			0	0	U
Blue plate or metal 0 0 9							
~						_	
Carried forward 2 5 10 56	2 5	Total			87_	5_	10
				_			

Commenced sinking, November 7th, 1864; sunk through the seam, July 7th, 1866. There are 50 fathoms of 12-inch pumps in the West Pit; the East Pit has been sunk without pumps.

^{*} Approximate sea level (Ordnance datum).

### No. 2,040.—TUDHOE.

#### TOWNSHIP OF TUDHOE, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 42′ 56", Long. 1° 35′ 0".

Section of the Strata sunk and bored through in the Tudhoe Colliery. 1866.

Approximate surface level 280 feet above sea (Ordnance datum).

	Fs. F	t. In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Strong blue clay	-	1 0				Brought forward 1 4 6 34 0 10
Broken freestone	1	3 0				White post, mixed
Post, mixed with whin	3	5 0				with whin 1 0 0
Soft grey metal	0	1 10				Dark metal, with gas 4 3 0
COAL	0	0 10				Dark seggar 0 2 0
			10	5	8	Grey post 2 3 0
Light seggar clay	0	2 4				Grey metal 1 1 6
Grev metal		0 10				(1 1 9
COAL		0 11				White post $\left\{\frac{1}{3}, \frac{1}{0}, \frac{2}{10}, \frac{2}{10},$
			1	4	1	
Brown someon	0	2 7	-	-		COAL—Harvey Seam 0 2 2
Brown seggar		$\tilde{1}$ 4				16 0 2
Grey metal		0 3				Brown seggar 1 0 6
COAL	0	U 3	^	- 4	0	COAL 0 0 3
73		1 0	0	4	2	1 0 9
Brown seggar	0	1 0				Brown seggar 0 2 0
Grey metal, with post						White post 2 1 6
girdles		2 0				COAL 0 0 3
Grey metal		2 0				2 3 9
COAL	0	2 0				Brown seggar 0 3 0
			4	1	0	White post 2 2 8
	0	0 6				COAL
Brown seggar		3 0				
Grey metal, with post		•				3 0 2
oriendles	1	0 6				0 0 5
C		4 0				COAL 0 0 5
COAL—Hutton Seam		_				0 0 10
OOKL—Hutton Beam	0				0	Seggar 0 4 6
<b>D</b> .			4	4	3	Williams
Dark seggar	0	4 4				COAL 0 0 2
White post	0	3 0				
Grey metal, with post						4 0 3
girdles	1	5 6				Seggar 0 2 0
Splint	0	0 3				COAL 0 0 2
			3	1	1	0 2 2
Grey metal	2	0 3	•	_	_	D 0 0 0
Black stone		1 0				
Grey metal and post	•					COAL 0 0 10 0 3 0
girdles	2	1 3				
Ruown gomes		0 8				Dark seggar 0 3 3
	0 '	0 0				White post 1 2 6
world and	0	0 7				Grey metal 3 2 0
O 1 9		0 7				
		0 8				Busty Seam- Ft. In.
COAL	0 (	0 2				COAL 2 9
			8	4	7	Band 0 4
	0 (	0 6				COAL 2 2
Grey metal, with post	,	- 5				0 5 3
girdles	1 4	4 0				6 1 0
	τ.	Ŧ 0				
Carried forward	1 4	4 6	34	0	10	Carried forward 68 0 11
Januaro I Wald	1 .	¥ 0	OÆ	U	LU	Carriou Iol mara 00 0 11

^{*} Approximate sea level (Ordnance datum).

# No. 2,040.—TUDHOE.—Continued.

	1
Brought forward Fs. Ft. In. Fs. Ft. In. 68 0 11	Brought forward 3 0 0 110 5 6
Dark seggar 0 2 0	Grey metal 0 1 6
Strong white post 10 0 0	Black stone 1 0 6
Grey metal 1 1 10	COAL 0 0 4
COAL, with bands 0 2 0	4 2 4
11 5 10	White post 0 2 8
	Post, with metal part-
Black stone 0 1 10	ings 0 5 0
Seggar 0 0 10	Grey metal 0 3 0
Grey metal and post girdles 6 2 1	White post 0 1 0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Dark grey metal 1 5 6
0 0 0	Black stone 1 4 0
Seam 0 3 6 7 2 3	Blue whin 0 2 0 White post 0 5 0
	Transce posses in
m , 1 1 0h 0 0	
Total sunk 87 3 0	with brass 0 0 4
	with brass 0 0 4
Bored by the Dia-	Grey metal 0 1 8
mond Rock Boring	Black stone 0 2 0
Company:—	White post 1 1 0
Seggar 0 1 10	Grey limestone 0 2 0
White post 0 1 6	Grey-whin 0 1 0
Black shale 0 1 6	Grey metal 0 1 0
White post 0 2 0	Blue metal 0 1 6
Blue metal 1 1 0	Grey metal 0 4 0
COAL 0 0 1	White post 0 1 6
2 1 11	Grey metal 1 5 0
Blue metal 0 2 1	White post 8 5 6
Post girdles 0 1 6	Grey metal 3 5 0
Blue metal 0 1 3	Black shale, scared
White post 0 · 3 · 6	with coal 0 1 6 18 2 8
Blue metal 1 2 0	· ·
Grey post, with metal partings 4 1 9	THE POST IN
	200.00
Black shale 0 1 0	White post 7 5 0 Grey metal 4 3 0
Grey metal 0 5 2	Seggar 0 1 0
Blue metal 0 2 2	Grey metal 3 0 0
White post, with	Shaly post 2 4 0
metal partings 0 4 6	Post 4 5 0
Black seggar 0 2 2	Blue metal 1 0 0
Grey metal, mixed	White post 0 3 6
with post 0 4 8	Limestone 0 3 6
White post 0 2 6	Grey metal 2 1 0
Post, with metal	Grey whin 1 1 0
partings 0 3 10	Post, with partings 3 0 0
White post 0 1 4	Grey metal 2 2 0
Post girdles 1 3 8	Post stone, with partings 5 1 0
Black stone 0 3 3 Bastard seggar 0 5 0	1
0	Grey metal 2 0 0
White post 1 4 0	45 1
Black stone 0 0 9	
White post 2 1 3	
COAL 0 0 6	
21 0 7	
Seggar 0 1 8	
This is the second of the seco	
Blue stone 2 4 4	
Carried forward 3 0 0 110 5 6	Total depth sunk and bored 189 0

### No. 2,041.—TUDHOE.

TOWNSHIP OF TUDHOE, DURHAM.

Sheet 35 of Ordnance Map. Lat. 1° 41′ 55″, Long. 1° 35′ 12″.

Section of Strata sunk through at Tudhoe Grange, belonging to the Weardale Iron Co. Commenced May 5th, 1869; finished September 2nd, 1870.

	Fs	. Ft.	In,	Fs.	Ft.	In,	Fs. Ft. In. Fs. Ft. In.
Outset	0	4	0				Brought forward 48 2 111
Strong blue clay	1	5	0				Brown seggar 0 1 7
Gravel, with water	ō	4	0				D 1
	1		- 0				
Strong clay							Grey metal, mixed
Sand	1	1	0				with post girdles 6 0 6
Strong blue clay	3	2	0				White post 0 5 0
Sand and gravel, with							Post girdles 0 5 5
water	1	0	0				Black stone 0 1 8
Strong clay	1	0	0				COAL 0 1 11
Loam and sand, with							9 4 6
	1	4	0				
							Dark seggar 0 2 10
Gravel bed	3	3	0				COAL 0 0 5
Strong clay, mixed	_						0 3 3
with stone	5	4	0				Seggar 0 1 10
			!	22	2	0	COAL 0 1 0
White post	0	3	6				0 2 10
Blue metal	1		10				
Black stone, with jet	õ	î	4				Seggar 0 2 10
	0	4	6				Grey metal, mixed
Seggar							with post girdle 2 5 7
Black stone	0	0	6				Black stone 0 1 0
Seggar	0	0	7				COAL 0 2 5
Grey post	1	0	10				3 5 10
Blue stone	1	1	7				3 0 10
Black stone	0	1	0				Seggar band mixed $0 0 7\frac{1}{2}$
Seggar	0	1	6				with post $\left\{\begin{array}{c c} 0 & 3 & 9\frac{1}{2} \end{array}\right\}$
0	ŏ	2	6				COAL—Busty Seam 0 1 112
D., 1	1		0				
Broken post		0	-				1 0 4
Grey post	0	4	3				Dark seggar 1 1 5
Blue metal	0	2	2				Broken post 7 2 0
Grey metal, mixed							71 11 0 9 10
with post girdles	1	4	4				0.00
COAL	0	0	1				
	_			10	0	6	9 0 9
Black stone	0	0	2	TO	0	U	Seggar stone 0 0 9
Grow motel mined	U	U	4				Blue metal 0 3 0
Grey metal, mixed		-	^				0 1 0
with post girdles	2	1	0				
Broken post	2	0	0				0 4 9
Blue metal	2	1	0				Seggar 0 2 6
Broken post, mixed							Post girdles 0 1 0
with whin	9	0	4				Blue stone 1 1 0
Black stone	0	Õ	8				2240
Harvey Seam-	Ŭ	Ŭ					Zitada Storic III
Et. In							Dark seggar, with iron
COAL 2 3							balls 1 0 2
Seggar band 0 5	2						Blue metal 1 4 - 7
COAL 0 7							Post girdles 0 0 6
OAL 0 7	0		0.1				Grey metal, mixed
	0	3	- 2		_	~1	with post girdle 2 5 0
				16	0	95	Town Branch and
						- 1	0 110 1 7 4 7 1 01
Carried for	wai	rd		48	2 1	15	Carried forward 7 5 4 74 1 $2\frac{1}{2}$
						2	

^{*} Approximate sea level (Ordnance datum).

#### No. 2,041.—TUDHOE.—Continued.

Brought forward						$\begin{array}{c} \text{In.} \\ 2\frac{1}{2} \end{array}$	Brought forward		Ft.		Fs. 82		
Brockwell Seam-							Seggar						-
COAL, badger 0 7							Broken post Grey metal, mixed	1	3	0			
COAL, good 3 6							with post girdles	1	2	0			
	0	4	1	8	3	5			_		3	2	0
Carried for	varo	1		82	4	$7\frac{1}{2}$	Total			=	86	0	71/2

Notes.—Diameter of shaft, 12½ feet. Coal got, September 2nd, 1870. 9 fathoms of walling; 30 fathoms of metal tubbing; 8 fathoms of walling, Harvey Seam. Harvey Seam arch, 4 feet wide by 5½ feet high; ditto, 10 feet wide by 9 feet high. 4 fathoms of metal tubbing; 8 fathoms of two-foot walling, Busty Seam. One arch, 10 feet, and one arch, 3 feet wide, 4 feet high, Busty Seam. 18 fathoms of walling. Brockwell Seam, two arches, 10 feet. 20 feet of walling to sump.

#### No. 2,042.—TURSDALE.

TOWNSHIP OF CASSOP, DURHAM.

Sheet 35 of Ordnance Map. Lat.  $54^{\circ}$  43' 18'', Long.  $1^{\circ}$  32' 10''.

An Account of the Boring in Tursdale Estate, by the side of the Cart Road leading to Tursdale, from Hogger's Gate, on the left hand side of the Road in the Third Field from the Highway. July 27th, 1854.

Soil 0 2 0	Brought forward Fs. Ft. In. Fs. Ft. In. 21 4 5
	Grey metal 5 2 0
Strong clay and gravel 0 5 0 Sand, with water 0 5 0	Dark metal 1 0 0
Brown ramble 2 1 0	Grey post 2 4 0
Blue clay 1 3 6	Grey metal 1 0 0
Sand 0 1 6	COAL, slaty—Top of
Brown clay 1 0 0	Hutton Seam 0 2 0
Stony clay 4 5 3	10 2 0
11 5 3	Grey metal 5 0 6
Soft brown post 0 1 6	
Grey post 6 4 0	Bottom of Hutton Seam—
Soft parting 0 2 6 Stony white post 1 5 9	Ft. In.
Stony white post 1 5 9	COAL, good 2 1
Grey metal 0 0 7	COAL, splint 0 5
Supposed Low Main	COAL, good 0 7
Seam— Ft. In.	$\frac{031}{537}$
COAL, strong 2 7	
COAL, coarse 0 3	Grey metal, with hard
0 2 10	girdles 7 1 0
<del></del> 9 5 2	
Carried forward 21 4 5	Carried forward 7 1 0 37 4 0

# No. 2,042.—TURSDALE.—CONTINUED.

					Ft.		-	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	7	1	0	37	4	0	Brought forward				60	4	9
White post, with water							White post	0	3	8			
at 4 feet, and water							Grey metal stone, with						
at 9 feet from the top		3	0				girdles	8	3	7			
Grey metal, with post							Strong white post,						
girdles	1	$\frac{1}{3}$	0				with whin	0	3	0			
Char post	1	3	0			.Me.	Grey metal	0	3	8			
Grey post {	0	1	0			赤	Post		1	2			
Metal stone, with							Grey metal, with gir-						
girdles	3	0	0				dles	2	3	0			
Dark metal	_	5					White post	6	5	7			
Grey metal, with							dles White post Grey metal Busty Seam— Ft. In.	0	1	2			
girdles	2	1	0				Busty Seam- Ft. In.						
White post	0	4	0				COAL, good 3 11						
Grey metal stone, in-		_					COAL, foul 0 7						
clining to post	1	5	0				,	0	4	c			
Grey post	ō	3	0					U	4	6			
Grey metal	ĭ	5 3 1	Õ					_			22	5	4
Dark metal		Ô	3				Grey metal	0	0	9			
COAL, with sulphur	·	·	Ŭ				Into iron stone		0	2			
-Harvey Seam	0	2	0				THEO HOII STORE	U	U	-			
Harvey Stant	_			23	0	9					0	0	3
Grey metal	1	3		20	·	v							
Dark metal	0	3	0										
Dark metal		-0											
Carried forward	2	0	0	60	4	9	Total				83	4	4
Carried 101 ward		0	0	00	æ	0				=			

^{*} Approximate sea level (Ordnance datum).

# No. 2,043.—TURSDALE.

TOWNSHIP OF CASSOP, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 43'.2", Long. 1° 31' 53".

Section of Strata sunk through at Tursdale Colliery. 1859.

Soil 0 1 0 Yellow clay 1 0 0 Sand and gravel, with water 4 1 0 Blue clay 5 0 6 Sand, with water 0 3 0	Fs. Ft. In. Fs. Ft. In. Solution   Fs. Ft. In. Fs. Ft. In. Solution   Fs. Ft. In. Fs. Ft
Blue clay 3 2 0  Carried forward 14 1 6	Seam 0 2 0 21 2 2 21 2 2

# No. 2,043.—TURSDALE.—Continued.

T) 14.0	Fs.	Ft.	In.				Fs. Ft. In. Fs. Ft. In.
Brought forward	0	9	10	21	2	2	Brought forward 67 5 11 Fire clay 0 4 9
Fire clay Grey post, mixed with	U	Ð	10				Strong grey metal 0 4 9
bastard whin	2	1	6				COAL 0 0 6
Grey metal	3	0	6				1 3 3
COAL	0	0	4				Dark metal 0 0 6
	_	_		6	0	2	Fire clay 0 2 0
Fire clay	$0 \\ 1$	1	6				Grey post 1 0 4 COAL 0 0 2
Grey post Dark post, with girdles	0	5	3				COAL 0 0 2
COAL	0	0	6				Fire clay 0 4 8
				2	2	2	Grey metal, with girdles 10 4 5
Grey metal	0	3	8				Grey post 6 2 5
COAL	0	0	2	_	_	10	Grey metal, with iron-
Eine alam	0	0	8	0	3	10	stone 1 3 7
Fire clay Grey metal	0	3	4				Busty Seam— COAL 2 8
Strong grey metal, in-	,	0	-				Band 0 10
clining to post	0	1	2				COAL 2 0
Grey post, with whin		_					0 5 6
girdles and water	1	2	8				20 2 7
Grey metal, with post	Λ	5	10				Total 01 0 0
coal—Top of Hut-	0	J	10				Total 91 2 9
ton Seam	0	1	10				Sunk through further
	_			3	3	6	in a Staple, at 70
Fire clay	0	1	6				chains N. 45° W.
Grey metal, with iron-	0	7	H				from Pit Shaft:—
stone bands COAL — Bottom of	3	1	7				Strong seggar 0 1 3   Grey metal 0 5 3
Hutton Seam	0	1	5				Strong white post 9 0 0
	_		_	3	4	6	Soft blue stone 0 2 5
Fire clay	0	2	8				Ft. In.
Grey metal	2	4	0				COAL 0 6
Grey post, with whin	1	4	4				Seggar band 0 4
girdles Grey metal, with iron-	1	49	<b>SE</b>				COAL 1 4 0 2 2
stone	2	1	6				10 5 1
Strong grey post, f	5	1	2			ut.	Seggar band 0 2 6
with water )	1	1	1			₩	Post 1 0 0
Strong grey metal,		_					Grey metal 2 4 0
mixed with post	2	0	4				Black stone 0 1 6 Grey metal 0 2 6
Dark metal, with iron- stone bands	0	3	0				Black stone 0 1 10
COAL	0	0	4				Blue metal 0 1 1
				16	0	5	Post 2 5 8
Fire clay	0	1	0				Blue metal 0 4 3 Black stone or badger 0 0 7
Grey metal	0	1	2				Black stone or badger 0 0 7  Brockwell Seam—
Strong grey post, with	1	4	7				Ft. In.
girdles Grey metal, with girdles		1	31/2				COAL 1 9
COAL	0	ō	$0\frac{1}{5}$				Seggar band 0 3
				7	2	1	$\begin{array}{cccc} \textbf{COAL} & \dots & 0 & 4\frac{1}{2} \\ \textbf{Black} & \text{stone} \end{array}$
Fire clay	1		10				band 0 3
Grey metal	5	0	0			-	COAL 1 4½
COAL—Harvey Seam	-0	2	3	6	5	1	0 4 0
				U	U	1	9 3 11
Carried for	(171) 791	7		— 67	5	11	Total 111 5 9
Carried 10r	** CB1*(	.4		0/	O	11	Total <u>111 5 9</u>

^{*} Approximate sea level (Ordnance datum).

### No. 2,044.—TURSDALE.

### TOWNSHIP OF CASSOP, DURHAM.

Sheet 35 of Ordnance Map. Lat.

, Long

An Account of Boring below the Busty Seam at Tursdale Colliery South of Shaft. January, 1864.

Approximate surface level

feet above sea (Ordnance datum).

					_				
Metal			Fs.	Ft.	In. 0	Fs.	Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. In. 21 1 10
White pos	t		7	3	6				Metal 0 0 2
Metal ston	e		3	0	0				Post 2 1 10
Post			1	0	0				7777
	• • • •		1	1	_				
Metal			1		0				Post 0 0 6
Strong pos	t		0	4	1				Black metal 0 1 0
Whin			0	0	11				Communication of the communica
Grey meta			3	0	0				T T
		*/3	o	U	U				Post 0 4 0
Metal, m	ixed v	vith							Whin 0 2 0
coal			0	0	3				Post 1 3 9
Grey meta	l		0	0	6				111 2 0
COAL			Õ	ŏ	8				A A
COAL	• • •		U	U	-				girdles 1 1 3
						17	2	11	COAL 0 0 3
Metal			1	1	0				
Black meta			0	0	6				7 2 11
Grey metal			2	2	0				
COAL			0	1	5				
						3	4	11	
						,		~ .	
								_	
	Carried	for	more.	1		21	1	10	Depth below the Busty Seam 28 4 9
	Ogilieu	101	ware			41	1 .	10	Depth below the Dusty Seam 20 4 5

### No. 2,045.—TURSDALE.

TOWNSHIP OF CASSOP, DURHAM.

Sheet 35 of Ordnance Map. Lat.

, Long.

Strata sunk through in a Staple in Tursdale Pit from the Busty Seam. 1867-68.

Depth to B	usty Seam	Fs. I	Ft. In	. Fs. 91	Ft. 2		Brought forward				Fs. 99	Ft. 2	In. 2
Seggar		0	3 7				Seggar	0	2	4			
White post				)			White post	0	3	9			
	Ft. In						Grey metal	0	3	6			
COAL	0 4						White post, with whin	1	2	8			
Slaty band							Grey metal	1	2	6			
COAL	1 0						Seggar	0	5	Ö			
		0	1 10	)			-00						
				8	1	5							
													-
	Carried	forwa	ard	99	4	2	Carried forward	5	1	9	99	4	2

# No. 2,045.—TURSDALE.—CONTINUED.

Brought forward Grey metal, with post girdles Whin Grey metal, with thin post girdles COAL	Fs. Ft. In. Fs. Ft. In. 5 1 9 99 4 2  5 1 0 0 1 7  2 0 6 0 0 9 12 5 7	Brought forward 3 4 4 134 3 8½ White post 0 3 5 Whin 0 1 11 White post 1 3 11 Grey metal 0 1 8 White post 0 1 3 COAL 0 0 2
Black stone	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	White post 3 0 8 Grey post 0 0 8 Grey metal, with iron girdles 2 0 0 White post 0 1 6 Grey post 0 3 10 Grey metal 3 0 7
Seggar Grey post Whin Grey post Grey metal Grey metal Grey post Whin	0 0 8 0 5 0 1 0 0 0 1 10 0 4 0 2 2 0 1 5 0 0 1 8	Whin         0       0       2         White post         1       0       1       5         White post         1       0       10       0       3         Grey metal         0       0       3       3         Iron girdle         0       0       3
Grey metal Black stone COAL  Seggar Grey metal	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Whin 0 2 1 Hard white post 1 0 2 Grey post 0 1 4 Grey metal, with post girdles 2 4 0 Grey metal 3 3 11 Black stone 0 1 1
Total depth to bottom  Strata bored through from the Bottom of the Staple:—	of staple 124 4 8½	White post 0 5 8 Whin 0 0 10 White post 2 3 11 Grey metal 2 0 3 COAL 0 0 3
Grey metal	0 1 8 0 0 6 1 0 0 1 0 9 0 1 0 0 1 4 1 3 9 0 3 7 0 5 4	Seggar        0       1       2         White post        0       1       3         Grey metal, with post        0       5       3         White post        1       5       0         Grey metal        0       3       4         Black stone        0       0       8         White post        5       0       3         Whin        0       0       6         White post        0       1       3
Seggar Grey metal White post Grey metal COAL	0 0 4 0 2 2 0 5 11 0 2 8 1 5 1 0 1 0 3 4 10	White post 0 1 3 Grey metal, with post girdles 1 0 9 White post 0 5 6
Seggar Grey metal, with iron girdles  Carried forward	0 2 4 3 2 0 3 4 4 134 3 8½	Total $177   5   0\frac{1}{2}$

# No. 2,046.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. La	t , Long.
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August 5th, 1795.—Account of the No. 1 Boring at Twizell, about 150 yards to the Eastward from the Hall.

Approximate surface level feet above sea (Ordnance datum).

Soil, with a mixture of sand Sand, with a small feeder of water at 7 fee	Fs.			Fs.	Ft.	In.
	2	2	1			
Blue swelling clay, mixed with sand						
Leafy clay	 0	1	6			
Sand, with water	 0	1	6			
Stony clay, mixed with ramble						
In stony clay	ī					
In stony clay				-		_
				10	4	0
Total	 -	•••	=	10	4	0

### No. 2,047.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Bored in the Second Place at Twizell, 50 yards to the S.S.W. of the First Hole.

		Total	•••			107	3	5	8
in sand, with water		•••	•••	•••	•••		 3	5	8
Stony clay In sand, with water	•••	*** *	•••	•••		3 0			
	• • •	•••	• • •	•••	•••	0 4			
Soil and sand						Fs. Ft. 0 1	Fs.	Ft.	In.

### No. 2,048.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Bored in the Third Place at Twizell Colliery, about 7 yards to the N.N.E. of the First Hole,

Approximate surface level feet above sea (Ordnance datum).

Cail animal mith cond-		Ft.	In. 1	Fs. Ft. In.	Brought forward				Fs.	Ft.	In.
Soil, mixed with sandy	_	-	_								
gravel	0	1	0		Sand, with water	U	Z	6			
Sand, with scares of					Leafy clay, mixed						
coal	1	0	0		with sand	1	0	0			
Sand, with a small					Stony clay						
feeder of water	Ω	K	Λ		Sandy gravel, mixed	-	-	•			
		ย	U			0	1	0			
Blue swelling clay,					with stony clay		1	U			
mixed with sand	5	3	0		Sand, with a small						
Gravel, mixed with					mixture of clay	0	5	0			
clay and sand	1	1	0		Sand, with scares of						
Stony clay	1	4.	0		leafy clay	0	1	0			
Leafy clay, mixed	~	-	•		Grow motal and ramble	ñ	ō	a			
Leary Clay, Illixed	0	0	0		Grey metal and ramble In strong stony clay	2	0	9			
with sand					in strong stony clay	Э	4	9			
Sand	0	1	3						23	3	0
Leafy clay, mixed					-						
with sand	0	4	3								
,		_									
0 110 1		-	_		m				00	0	0
Carried forward	11	4	6		Total				23	<u> </u>	U
											-

### No. 2,049.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Bored in the Fourth Place at Twizell, about 185 yards to the Southward from the First Hole.

Soil Strong clay Saud, with water	$\begin{array}{ccc} 0 & 1 \\ 0 & 3 \end{array}$	6	s. Ft. In.	Brought forward Gravel Stony clay	1	4 6			In O
Sand, mixed with leafy clay in several				Sand Stony clay	0	$\begin{array}{ccc} 0 & 6 \\ 2 & 0 \end{array}$			
places Leafy clay Sand, with water	1 1	9		Leafy clay Sand, mixed with clay Leafy clay, with small	0	5 6			
Stony clay	0 2	6	3 1 0	beds of sand In stony clay	0	$\begin{array}{ccc} 0 & 0 \\ 2 & 0 \end{array}$	۳.	5	0
Sand, with water  Carried forward			3 1 0	Total		. =	12	0	0

# No. 2,050.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Bored in the Fifth Place at Twizell, about 190 yards to South of Fourth Hole.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In. B	s. Ft. In.				Fs.	Ft.	In.	Fs.	Ft.	In
Soil					Brong	ht forw	ard	3	1	0			
Stony clay	0	3	0		Leafy clay			_0	- 1	6			
Sand, with water					Sand								
Stony clay, with a					Leafy clay								
sandy tumbler 9					Stony clay								
inches thick	0	3	0		Leafy clay								
Sand	0	1	0		Stony clay								
Stony clay	0	1	6		Sand, with	water		1	4	6			
	0										13	3	0
											_		
Carried forward	3	1	0		1	Total			•••	_	13	3	0

### No. 2,051.—TWIZELL.

### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Bored in the Sixth Place at Twizell, about 160 yards to South of Fifth Hole.

Soil Fs. Ft. In. Fs. Ft. In O 1 0	Brought forward 11 0 0
Gravel and sand,	Sand 0 3 0.
mixed with clay 1 0 0	Stony clay 8 0 9
Stony clay, with a	19 3 9
mixture of sand 1 0 0	Blue grey scamy metal
Sand, with water 1 1 0	and metal stone
Leafy clay 1 0 0	with post girdles 1 3 0
Saud 0 2 0	In white and grey
Leafy clay 1 5 0	scamy post, with
Stony clay 4 3 0	partings 0 2 6
	1 5 6
<del></del>	
Carried forward 11 0 0	Total 21 3 3

### No. 2,052.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Bored in the Seventh Place at Twizell on West Side of Hall.

Approximate surface level feet above sea (Ordnance datum).

### No. 2,053.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Bored in the Eighth Place in Twizell Estate, about 400 yards to the South-west from the Engine. February 25th, 1805.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil	0	0	4				Brought forward 5 0 8 2 1 4
Gravel	1	4	0				Strong stony clay 2 0 0
Sand, with gravelly							Sand, with water 0 4 0
stones	0	1	0				Strong stony clay 1 3 0
COAL, foul, with	•	_	•				Sand 1 0 0
gravelly stones	Λ	2	0				Stony clay 0 2 0
gravery somes	U	2	U	2	- 1	4	
Mixture of sand and			_	4	Т	4	
							Stony clay 2 0 2
clay, with gravelly	_	_					12 4 8
clay	1	3	8				
Sand, with a siping of							
water	3	3	0				
Carried forward	5	0	8	2	1	4	Total 15 0 0
				_	_	_	2002 111 111 200

### No. 2,054.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Bored in the Ninth Place at Twizell in a Clover Field called ------, about 100 yards from the North Corner, and about 400 yards North-west of the First Hole.

Approximate surface level feet above sea (Ordnance datum).

Soil and clay, mixed with gravel Sand, mixed with gravel Strong gravel Gravel, with water Sand, with water	0 0 0 0	3 1 3 4	0 6 0 0	Fs. Ft.	In.	Brought forward 3 5 0  Leafy clay 0 1 0  Stony clay 0 5 0  Sand, with water 2 2 6  In clay 0 0 6  To 2 0
Carried forward	3	5	0			Total

### No. 2,055.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Bored in the Tenth Place at Twizell, 10 yards towards the First Pit from the Ninth

Soil and sand Stony clay, with a mixture of sand Rambly gravel, with	0	3	0	Fs.	Ft.	In.	Brought forward 8 0 0 Blue metal 0 1 3 Black metal 0 0 4 COAL 0 4	5		
water Rocky sand, with water Stony clay	1	0	0				Grey post, with metal partings 2 3 3 In grey metal stone,	8	5	9
Blue and brown scamy metal Blue grey metal and metal stone with	1	0	0	5	4	0	with hard girdles 1 2 0	3	5	3
post girdles Carried forward				5	4	0	Total	18	3	0

### No. 2,056.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Bored in the Eleventh Place at Twizell, about 3 yards to the North-west of the First Place.

Approximate surface level

feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs. 1	Ft. 3	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, mixed with sand	0	1	0				Brought forward	4	0	0	7	5	6
Clay, mixed with							Sand, mixed with						
gravel	0	2	0				leafy clay and water	0	1	6			
Gravel, mixed with							Leafy clay	0	5	6			
sand	0	1	6				Leafy clay Stony clay	ň	1	ñ			
56114		-	_	0	4.	6	Stony clay, mixed	0	-20	U			
Sand, with water and				•	-	0		7	E	0			
a small mixture of							with sandy gravel Sand	7	1	0			
	0	~	0					U	Т	U			
clay Brown sand	0	9	0				Stony clay, with mix-						
Brown sand	U	3	9				ture of gravel in			_			
Blue sand, with a							some places	0	4	6			
small mixture of		_					Sandy gravel	0	3	0			
clay	0	3	9				Sand, with a mixture						
			_	2	1	0	of leafy clay	0	1	4			
Leafy clay, mixed							Stony clay	0	5	8			
with sand	3	5	6				Sand, mixed with clay,						
Stony clay, mixed with							with water	0	1	6			
sand and gravel	1	0	6				Strong stony clay	9	3	6			
e e				5	0	0					20	0	6
Strong stony clay	3	0	0				In brown and grey						
Leafy clay, with scares	_	_					scamy post				1	4	6
of sand	1	0	0				scarry post				_	-	
or saire		0											
Carried forward	4	0	_	7	5	6	Total				20	1.	R
Carried forward	냎	U	U	-	0	U	Total			-	43	4	_

### No. 2,057.—TWIZELL.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of Boring in the Twelfth Place at Twizell, about 7 yards to South-east of First Place. February 12th, 1796.

Approximate surface level

feet above sea (Ordnance datum).

									-	_	_
	Fs.	Ft.	In.	Fs. Ft. In.		Fs.			Fs.	Ft.	In.
Black soil					Brought forward	3	5	0			
Sand, with gravelly					Blue sand, with a small						
clay	0	2	6		mixture of clay	0	4	0			
Sand, with small beds					Leafy clay, mixed with						
of gravel	1	1	0		sand	0	0	9			
Sand, with water and a					Clay, mixed with sand	2	0	7			
small mixture of clay	0	5	0		In leafy clay	0	0	2			
Brown sand, mixed						_			6	4	6
with swelling clay	1	2	0		*						
	_										-
Carried forward	3	5	0		Total		0		6	4	6
									_		-

# No. 2,058.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of the Boring in a Staple at Twizell, near the Burn Side. Nov. 10th, 1795.

Approximate surface level feet above sea (Ordnance datum).

Brought forward   3   1   0   34   1   0								
Sox through rubbish   3   3   0   0   0   0   0   0   0   0	Sunt to the souffold	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Dark grey metal, with		G	0	0				
Grey metal stone, with hard girdles								111 111 0 2 0
COAL	Box through rubbish	0	0	U	0		_	
hard girdles 6 4 6 Grey post, with water 0 4 6 Grey metal stone 0 1 0 Brown and grey post, with whin girdles and scamy partings and water 9 5 0 Grey metal stone and white post, with hard girdles 3 3 0 White post 3 1 6 COAL 0 2 6  Black grey metal, with small bands of coal 0 2 0 Grey metal stone 2 4 3 White post, with a mixture of whin 0 0 9	~ 1.1./ 2/3				9	3	U	girdles 1 1 0
Grey post, with water 0 4 6 Grey metal stone 0 1 0  Brown and grey post, with whin girdles and scamy partings and water 9 5 0  Grey metal stone and white post, with hard girdles 3 3 0  White post 3 1 6  COAL 0 2 6  Black grey metal, with small bands of coal 0 2 0  Grey metal stone, with a mixture of whin 0 0 9  Grey metal stone, with water 1 0 0  White post 0 0 0 11  Grey metal stone, with post girdles 0 5 0  Whin mixture 0 1 0  Grey metal stone, with post girdles 0 5 0  Whin mixture 0 1 0  Grey metal stone, with post girdles 0 5 0  Whin mixture 0 1 0  Grey metal stone, with post girdles 0 5 6  Grey metal stone 0 2 0  Grey metal stone 0 2 0  Grey metal stone 0 3 3  In whitish grey metal 0 1 0		_		_				
White post		6	4	6				
White post		0	4	6				Grey metal stone, with
with whin girdles and scamy partings and water 9 5 0       Grey metal 0 0 3         Grey metal stone and white post, with hard girdles 3 3 0       Black and grey metal 0 2 0         White post 3 1 6       White post 3 1 6         COAL 0 2 6       Whin mixture 0 1 0         Black grey metal, with small bands of coal 0 2 0       Grey metal stone, with girdles 0 5 6         Grey metal stone, with girdles 0 5 6       Grey metal stone, with girdles 0 2 0         Blue grey metal stone, with girdles 0 3 3       COAL 0 3 3         Blue grey metal stone, with girdles 2 2 6       COAL 0 3 3         In whitish grey metal 0 0 1 0       To 1 0	Grey metal stone	0	1	0				water 1 0 0
with whin girdles and scamy partings and water 9 5 0       Grey metal 0 0 3         Grey metal stone and white post, with hard girdles 3 3 0       Black and grey metal 0 2 0         White post 3 1 6       White post 3 1 6         COAL 0 2 6       Whin mixture 0 5 6         Black grey metal, with small bands of coal 0 2 0       Blue grey metal stone, with girdles 2 2 6         Grey metal stone, with small bands of coal 0 3 3       This prey metal stone 0 3 3         White post, with a mixture of whin 0 0 9       The whitish grey metal stone 0 3 3	Brown and grey post,							White post 0 1 0
and scamy partings and water 9 5 0  Grey metal stone and white post, with hard girdles 3 3 0  White post 3 1 6  COAL 0 2 6  Black grey metal, with small bands of coal 0 2 0  Grey metal stone 2 4 3  White post, with a mixture of whin 0 0 9	with whin girdles							
and water 9 5 0  Grey metal stone and white post, with hard girdles 3 3 0  White post 3 1 6  COAL 0 2 6  Black grey metal, with small bands of coal 0 2 0  Grey metal stone 2 4 3  White post, with a mixture of whin 0 0 9								
Black and grey metal   0   2   0		9	5	0				
white post, with hard girdles         3         3         0           White post         3         1         6           COAL         0         2         6           Black grey metal, with small bands of coal         0         2         0           Grey metal stone, with girdles         0         2         0           Grey metal stone, with girdles         2         2         6           COAL         0         0         3         3           Grey metal stone, with g			•	_				
Description								
Grey scamp post   0   5   6		2	2	٥				
COAL	White post	9	1	6				
Black grey metal, with small bands of coal 0 2 0 Grey metal stone 2 4 3 White post, with a mixture of whin 0 0 9	COAL POST	0	1	0				While mixture 0 1 0
Black grey metal, with small bands of coal 0 2 0 Grey metal stone 2 4 3 White post, with a mixture of whin 0 0 9	COAL	U	Z		0.4		^	Grey scamy post 0 5 6
with small bands of coal 0 2 0 Grey metal stone 2 4 3 White post, with a mixture of whin 0 0 9	771 7			_	24	4	U	
of coal 0 2 0 Grey metal stone 2 4 3 White post, with a mixture of whin 0 0 9  In whitish grey metal 5 3 3								
Grey metal stone 2 4 3 White post, with a mixture of whin 0 0 9  In whitish grey metal 0 1 0								with girdles 2 2 6
White post, with a mixture of whin 0 0 9								COAL 0 3 3
mixture of whin 0 0 9	Grey metal stone	2	4	3				5 3 3
mixture of whin 0 0 9	White post, with a							In whitish grey metal 0 1 0
	mixture of whin	0	0	9				
Carried forward 3 1 0 34 1 0 Total 46 1 6								
27,00	Carried forward	3	1	0	34	1	0	Total 46 1 6
					_			

# No. 2,059.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of a Boring in the Bottom of a Staple, near the Engine Pit, at Twizell, from Hutton Seam. June 10th, 1799.

Approximate surface level

feet above sea (Ordnance datum).

Grey metal COAL, foul Strong grey metal stone Grey post, with much water	0 0 5	0 0 5	6 6 0			In. 0	Brought forward 12 2 0 0 1 0 Grey girdly post, with metal partings 3 3 0 Whin mixture 4 5 0 Strong blue grey metal stone 0 2 0
Carried forward	12	2	0	0	1	0	Carried forward 21 0 0 0 1 0

# No. 2,059.—TWIZELL.—CONTINUED.

	200	777.1	-	~~	70.0	-	
Daywork formand				Fs.			Fs. Ft. In. Fs. Ft. In.
Brought forward				0	T	U	Brought forward 31 5 0
Whin mixture	T	Z	U				Dark grey metal 0 1 0
A cashy parting or							Grey metal stone 0 4 6
coal	0	0	3				Dark grey metal 0 1 2
Grev metal stone, with							Soft brown scamy
post girdles	2	1	8				stone 0 2 6
Black slaty metal,							Grey metal stone 0 3 8
mixed with coal	0	1	1				Whin mixture 0 0 6
mined with come iii				24	5	0	Gray motal stone 0 0 8
Whitish grey metal	Λ	1		A TE	U	0	Grey metal stone 0 0 8 White post 1 1 0
	U	1	U				White post I I U
Strong whitish grey	0	0	^				Whin 0 1 6
metal stone	3	9	U				Strong white post,
Strong white post,							mixed with whin 0 1 4
with a mixture of							In whin mixture 0 1 7
whin							4 1 5
Whitish grey metal	1	3	0				
Black grey metal or							
coal, with water	0	0	6				
				6	5	0	
				_			
Carried for	war	d.		31	5	0	Depth below Hutton Seam 36 0 5
Outlied 101		-		0.1	0		

# No. 2,060.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Account of a Boring in the Coal Pit at Twizell, in the East part of Ground.
1739 and 1740.

Box		Ft.	In.	Fs.	Ft.		Brought forward	8	Ft.				
White metal stone, with brown scames	0						Grey post girdles, with metal partings		0	0			
A black parting White post							Brown and white post, with brown and						
Brown and white post, with water	1	4	0				blue partings, with much water		0	0			
Grey metal stone, with girdles or cat-		0	_				Brown and grey post, with brown partings		3	0			
heads Black slaty metal, with	1	U	0				White post, with brown and grey	0	^	^			
a small mixture of	0	3	0				scamy partings Coal pipy post						
Blue and grey metal with catheads and							Brown and white post girdles, with blue						
girdles, with water Blue metal, with cat-							scamy partings	3	3	0			
heads										_			_
Carried forward	8	3	6	0	1	8	Carried forward	25	0	0	0	1	8

### No. 2,060.—TWIZELL.—CONTINUED.

Brought forward 25 0 0 0 1 8  Ft. In. 25 0 0 0 1 8  Ft. In. 1 2  COAL 1 2  COAL, mixed with blue metal 0 2  COAL 2 3  Black metal 0 2  COAL 0 6  Black and blue metal 0 3 0  Grey metal stone, with	Brought for ward 1 3 0 25 5 11  Grey post 0 4 8  Grey metal stone, with water 1 0 0  Grey and black metal, with girdles or catheads 1 0 0  COAL 0 2 11  Soft black metal 0 0 3  In grey metal stone 0 1 6
white and grey post girdles 1 0 0	0 1 9
Carried forward 1 3 0 25 5 11	Depth below Main Coal Seam 31 0 3

# No. 2,061.—TWIZELL.

#### TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 51′ 56″, Long. 1° 39′ 5″.

Account of Strata sunk through in the Engine Pit, near Gingling Gate, Twizell Colliery. Begun March, 1843, and finished April, 1844.

**							,
0.4			In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Outset	2	4	0				Brought forward 4 2 4 19 0 10
Soil	0	U	6				Blue metal stones,
Clay and gravel, with a little sand	1	0	6				with vegetable impressions 2 1 3
a little sand Sand, with a little		U	U				Black stone, with
water	0	4	0				scares of coal 0 1 1
Strong clay	3		1				Thill 0 1 9
Dry sand and gravel	4	3	ō				Strong white post,
Sand, with water	-		Ŭ				with gullets, in
(spiled through)	1	3	7				which the water
Clay and gravel, with							escaped and kept
water	2	2	6				pit dry 4 2 10
Strong blue clay, with							Blue metal 1 1 11
tumblers	1	3	2				Grey metal stone, with
DI .				18	0	4	post girdles 0 3 6
Blue metal	0	2	0				White post, with
COAL - Main Coal	_		_				water, stopped sink-
Seam	U	4	6	1	^	C	ing, 1 fm. 3 ft. 6 in.;
Seggar clay	0	9	3	1	0	6	into it about May
		$\frac{2}{1}$					24th, 1843, and resumed sinking after
Shivery post		1					erecting the main
White post	_	0	7				engine on Dec. 29th,
Blue metal stone	ī						$1843$ ; feeder, $3\frac{1}{2}$
Black stone	ô		11				strokes per minute
							when engine began 6 1 0
Carried forward	4	2	4	19	0	10	Carried forward 19 3 8 19 0 10
Controd for ward	4	4	-12	19	U	10	1
							R R

### No. 2,061.—TWIZELL.—CONTINUED.

								_
	Fs. Ft. In.	D1-4 C1	Fs.	Ft.	In. 1			
Brought forward 19 3 8	19 0 10	Brought forward	^	-		19	5	$4^{\frac{1}{2}}$
Blue metal 0 0 11		Thill stone	0	1	8			
Strong white post, in		Post		1	6			
which the water in-		Whin girdles	0	1	6			
creased to 13 strokes		Blue stone	0	2	4			
per minute; stone		Whin	0	0	8			
very hard last two		Blue stone	1	2	1			
fathoms 5 3 0		White post	0	0	6			
Maudlin Seam-		Blue stone	0	1 2 0 2 0 2 1	7			
Ft. In.		White post	0	1	8			
COAL, tender 0 2		Blue stone	Õ	ō	6			
COAL, good 2 4		Whin	ň	ĭ	2			
Black band 0 4		Blue stone, with post	•	-	-			
COAL, coarse 1 2		• 11	1	0	2			
—— 0 4 0				U	4			
	25 5 7	Hutton Seam— Ft. In COAL. good 3 10	•					
Discounted atoms with	20 0 7	/ 8						
Blue metal stone, with		Slaty band 0 3						
post girdles 3 5 5		COAL, coarse 0 6						
Low Main Seam -		COAL, band 1 6	_		_			
COAL, good 3 2			1	0	1			
Grey post band 1 $1\frac{1}{2}$					_	5	4	5
COAL, bot-		Thill stone	0	2	0			
tom 1 3		In blue stone	1	0	5			
0 5 6	1 0					1	2	5
	4 4 111							
Carried forward	49 5 44	Total			*!	57	0	21
		2000			=	_		<u> </u>

^{*} Approximate sea level 128 feet below this.

# No. 2,062.—TYNE MAIN.

TOWNSHIP OF GATESHEAD, EAST WARD, DURHAM.

Sheet 3 of Ordnance Map. Lat. , Long.

Account of Strata sunk and bored through at the Engine Pit, Tyne Main Colliery, from the Thill of the Low Main Coal. 1798.

Sunk:—	Fs. Ft. In. Fs. Ft. In.	Brought forward Fs. Ft. In. Fs. Ft. In. 9 1 1
coal, ground, and thill	0 4 0	Black stone 5 1 0 White post 3 4 0
Grey stone	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	8 5 0
	4 0 9	Total sunk 18 0 1
Post girdles	4 0 0 1 0 0 0 0 4 5 0 4	Bored:— White post 2 1 2 Black stone 1 0 0 COAL 0 0 5
		3 1 7
Carried for	eward 9 1 1	Carried forward 21 1 8

# No. 2,062.—TYNE MAIN.—CONTINUED.

Brought forward Thill Blue stone	Fs. Ft. In. Fs. Ft. In. 21 1 8 0 4 0 1 0 8 0 0 3	Brought forward Fs. Ft. In. Fs. Ft. In. 29 5 9  Thill 0 1 6  White post 2 4 4  Whin 0 0 10
Grey stone	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Whin 0 0 10 Grey post 2 5 4 COAL 0 0 5 Grey stone 0 4 10
White post	$\begin{array}{ccccc} 0 & 1 & 0 \\ 1 & 3 & 0 \\ 0 & 0 & 2 \end{array}$	GOAL 0 0 7  Grey post, with partings 4 2 10  COAL—Denton Low
COAL 0 10 Grey stone 0 10 COAL, foul, slaty 0 2 COAL 1 10	0 3 8	Main Seam      0     0     3       Grey metal stone      0     3     0       Black stone      1     3     3       White post      1     1     10       Blue stone      0     0     9
Carried forw	2 1 10	White post 5 0 3 8 3 1  Total below the Low Main Seam 49 5 9

### No. 2,063.—TYNE MAIN.

TOWNSHIP OF GATESHEAD, EAST WARD, DURHAM.

Sheet 3 of Ordnance Map. Lat.  $54^{\circ}$  57' 43'', Long.  $1^{\circ}$  34' 15''.

Strata sunk through in the William Pit, Tyne Main Colliery. January 14th, 1841.

Approximate surface level 75 feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Rubbish 1 2 2	Brought forward 1 3 6 22 2 6
G 2	Black stone 0 0 5
Blue clay, with sand	
partings 1 3 4	1 4 10
Strong blue gravelly	Grey metal 0 3 8
clay 8 2 8	Broken grey metal
Loamy clay, mixed (0 5 10	and post girdles 0 5 10
with sand \ 0 3 2 *	Broken soft blue metal 1 3 10
Broken metal, mixed	
with sand 2 2 0	3 1 6
Black metal, mixed	Soft grey metal thill 0 1 8
with coal 0 0 10	Soft grey metal thill 1 1 0
Seggar clay 0 1 11	Grey metal 0 5 2 Soft broken metal 0 5 2
	Soft broken metal 0 5 2
	Soft metal or seggar
16 0 9	clay 0 5 2
Soft grey metal 2 2 5	
Freestone, with whin 2 5 10	
Freestone, with post 0 5 0	Soft blue stone 0 3 2
COAL, splint 0 0 6	COAL and black
6 1 9	stone 0 1 0
	5 3 6
Soft grey metal 1 3 6	
O 1 3 0	~
Carried forward 1 3 6 22 2 6	Carried forward 33 0 4

^{*} Approximate sea level (Ordnance datum).

# No. 2,063.—TYNE MAIN.—CONTINUED.

	Pa Et In Pa Et In
Brought forward White post 1 2 0 Grey metal and iron-	Fs. Ft. In. Fs Ft. In.  Brought forward 15 4 5 70 1 4  Bensham Seam—Ft. In.  COAL 2 7  Band 0 6
stone girdles 2 1 0 Grey post, with metal 1 0 2 White post 0 3 0 Dark blue metal cat-	Splint metal 0 9  Band 0 3  Splint metal 0 10  —————————————————————————————————
COAL 0 0 6 8 1 2	Blue thill stone 0 2 8 Strong white post 0 5 0
Post 7 4 0 Post and whin 2 5 6 Blue metal 0 1 6	White post, mixed with spar 2 0 0 Whin and post 3 3 0
High Main Seam-	1
COAL 5 8 Band 0 1½ COAL 2 4½ 1 2 2	Blue metal 0 3 0  Six-Quarter Seam—  Ft. In.  COAL 0 10  Blue stone 1 0  COAL 0 10
Grey thill 0 4 0  Blue metal, with post girdles 4 2 6	Black stone 0 4  COAL 0 8  Black stone 0 4  COAL 2 0
Metal Coal— Ft. In.	$\frac{1}{2} \begin{array}{cccccccccccccccccccccccccccccccccccc$
Grey metal 1 6	Grey thilly post 0 2 0
COAL 1 8	Strong grey post part-
0 3 10	ings 1 2 0 Grev whin 0 2 0
5 4 4	Grey whin 0 2 0 Strong blue metal 2 0 8
Grey thill 1 1 0	Five-Quarter Seam—
Blue metal 0 4 0 Grey post 1 2 5	COAL 1 6
Grey whin 0 0 11	Splint 0 4
Strong blue metal 0 4 0	COAL 0 3
Seam 0 1 0	Band 0 2 COAL 0 4
4 1 4	Splint 0 7
Dark grey thill 0 0 6	Band 0 1
Strong grey post and hard girdles 1 0 0	COAL, splint 0 4 0 3 7
hard girdles 1 0 0 COAL 0 0 3	4 4 3
1 0 9	
Grey post and hard	Blue metal, with post girdles 1 3 5
girdles 2 0 0 Blue metal and girdles 3 2 0	Blue metal, with hard
Black stone 0 0 8	White post 1 1 8
COAL—Yard Seam 0 1 7 5 4 5	Grey whin 0 3 0
	Strong white post and
Strong grey thill 0 4 0 Strong grey post 1 3 0	whin 1 4 5 White post, with scares 0 3 0
Grey whin 0 1 0	Strong blue metal 1 1 0
Whin and hard girdles 4 2 8	Dark blue metal 0 1 0
Grey metal 1 5 4 Hard grey post, with	Low Main Seam— Ft. In.
whin 1 0 0	COAL 5 10
Blue metal 1 4 0 Blue and grey metal,	Swad 0 3 COAL, bottom 0 9
very jointy 4 2 5	
Carried forward 15 4 5 70 1	Carried forward 111 4 3

# No. 2,063.—TYNE MAIN.—CONTINUED.

Brought forward  Sump—grey thill 0 5 0  Grey stone 1 5 0  Hard grey post 0 0 2	Brought forward 2 4 2 111 4 3  Blue metal, with hard girdle 2 0 10 4 5 0
Carried forward 2 4 2 111 4 3	Total <u>116 3 3</u>

# No. 2,064.—TYNEMOUTH.

#### TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

20 112122			_	-		•			
Sheet 89 of Ordn	ance Map	. Lat.		,	Long				
Bored 40 yards from t	•		y, on the						
 Approximate surra		1000		a (01		- uai		•	
Grey metal stone		•••			Fs. Ft. 0 2 3 5 0 1	0	Fs. Ft	. In.	
Low Main Seam— COAL, bad swade	dy		1	t. In.	0 1	72			
COAL, bad swade		•••		0 10	0 3	1	4 5		,
White thill	•••	***	•••				4 5 0 1	5 5	
4	Total		•••			=	5 0	11	

# No. 2,065.—TYNEMOUTH.

### TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Account of Boring near the Black Middens, North Shields. No. 1 Hole. June 24th, 1818.

a		,									In.	Fs.	Ft.	In.
Grey m	etal	ston	e						4	0	0			
Grey m					ick pos	st girdle	s and v	vater	3	5	10			
Light g	grey	meta	ıl						3	1	0			
Dark m									0	0	$1\frac{1}{2}$			
COAL	-F	ive 1	<i>Feet</i>	Seam		***			0	4	$2\frac{1}{2}$			
												11	5	<b>2</b>
Dark tl	hill				•••		•••					0	0	10
					Total	****					_	12	0	0

#### No. 2,066.—TYNEMOUTH.

#### TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

No. 2 Hole, bored 250 yards South-west from last Hole. June 28th, 1818.

Approximate surface level feet above sea (Ordnance datum).

Sand	Fs. Ft. 7 0 0 3 0 0	0	Brought forward 10 1 9 7 3 3  Blue metal 1 1 0  COAL, swaddy 0 0 5  Dark coaly thill 0 0 10
Dark grey thill Dark grey metal stone White post, with metal partings and water, including 3 feet of	0 0 2 2	9	Grey metal, with post girdles and water 1 1 4  COAL, with splint in middle—Five Feet Seam 0 2 4
whin  Grey metal stone, with post girdles			Seam 0 2 4 13 1 8
Carried forward	10 1	9 7 3 3	Total <u>20 4 11</u>

# No. 2,067.—TYNEMOUTH.

TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

A Borehole at Tynemouth, 100 yards West of the Workhouse, near the Haven, put down to the Stone Head; foundation for the Collingwood Monument. June 10th, 1841.

		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil		 0	2	0			
Strong yellow clay		 0	2	0			
Dark blue clay, with pebbles		 4	0	0			
Sand, with water		 0	2	3			
Strong dark blue clay, with pebbles		 2	2	3			
Red clay		 0	0	6			
Grey post, with red bands		 0	4	6			
		_			8	1	6
Total	• • •				8	1	6

# No. 2,068.—TYNEMOUTH.

### TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

Long.

# Borings made at the Low Lights, North Shields, on site of proposed Dock. 1852. No. 1.

Approximate surface level feet above sea (Ordnance datum).

					Fs.			Fs.	Ft.	In.	
Sand and gravel	111				0	1	6				
Yellow clay					0	0	8				
Mild freestone		111			0	5	4				
COAL, very rotten		111			0	0	8				
Grey thill, very rotten					Õ	2	6				
111 II					ő	4	9				
	•••	•••		•••			-				
Hard grey metal	• • •	• • •	• • •	• • •	0	2	9	_	_	_	
						_	_	3	0	2	
								_			
	Total							3	0	2	
								-			

# No. 2,069.—TYNEMOUTH.

TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

Long.

No. 2.

Gravel and sand	Fs. Ft. In. Fs. Ft. In. 1 1 4	Brought forward 2 4 9
Strong blue clay	0 2 7	Blue clay 0 2 0
Sandy clay and hard		Brown clay, very hard 0 1 0
tumblers		Sandy clay, very hard 0 1 0
Strong blue clay	0 0 6	Brown clay, very hard 0 3 1
Sandy clay	0 0 7	Sandy clay, very hard 0 1 3
Loose stone	0 0 3	4 1 1
Carried forward	2 4 9	Total 4 1 1

# No. 2,070.—TYNEMOUTH.

### TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordn	nance Map	. Lat.	_		Long.	-	
		No. 3.					
Approximate surf	ace level	feet	above	sea (O	rdnan	ce d	atum).
					Fs. Ft.	In.	Fs. Ft. In.
Gravel and sand .					3 1	0	
Brown clay, loamy .					0 1	0	
					0 2	0	
Diown ciaj, naraci	•••		.,,				3 4 0
	Total						3 4 0

# No. 2,071.—TYNEMOUTH.

### TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 8	9 of O	rdnan	ce Map.	Lat.	_		Lor	ıg.				
Approxi	mate s	u <b>rfac</b> e	level	No. 4.	above	sea (C	Ordn	anc	e da	atun	ո).	
							Fs.			Fs.	Ft.	In
Sand			***	• • •	• • •		0	2	0			
Blue clay			***				0	2	0			
Sand								0	0			
Grey freest	one (a	loose :	stone)				0	1	6			
Sand			1				0	2	0			
Stony clay							1	0	6			
										3	2	0
			Total	***						3	2	0

# No. 2,072.—TYNEMOUTH.

#### TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ore	dnance Map	Lat.	_		Lo	ng.				
		No. 5.								
Approximate su	rface level	feet	above s	sea (C	rdn	ano	ce d	atu	m).	
0 1								Fs.	Ft.	In.
Sand, very quick					1	5	6			
Sand, rather hard,	with clay				0	4	9			
Sand, very quick					0	3	9			
Clay, rather sandy					0		0			
Blue clay						3	ŏ			
Dide city	***		•••	•••				4	0	0
	Tot	al						4	0	0

# No. 2,073.—TYNEMOUTH.

TOWNSHIP	OF	TYNEMOUTH.	NORTHUMBERLAND.

Sheet 89 of O	rdnance	Map.	Lat.			, Lo	ng.			
			No. 6.							
Approximate s	nrface l	level	feet	above	sea (C	Ordna	ince d	latur	n).	
and and gravel Iard blue clay						1	7t. In. 0 0 5 0	Fs. 1	Ft. In. <b>5</b> 0	
		Total		•••				2	5 0	

# No. 2,074.—TYNEMOUTH.

### TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

No. 7.   Approximate surface level   feet above sea (Ordnance datum).	Sheet 89 of Ordnance Map	. Lat.		, Long.	
and, gravel, and hard tumblers 2 1 0 arth, rather loamy, with tumblers 0 1 0 lay and sand 0 4 0		No. 7.			
and, gravel, and hard tumblers        2       1       0         arth, rather loamy, with tumblers        1       0       0         lay and sand         0       1       0         trong clay         0       4       0	Approximate surface level	feet ab	oove sea (	Ordnance d	latum).
arth, rather loamy, with tumblers        1       0       0         lay and sand          0       1       0         trong clay           0       4       0					Fs. Ft. In.
lay and sand 0 1 0 trong clay 0 4 0					
trong clay 0 4 0		lers .			
4 0 0	rong clay			0 4 0	
4.0.0					4 0 0
4 0 0					
4 0 0					4 0 0

# No. 2,075.—TYNEMOUTH.

### TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of O	p. Lat.	Lat. , Long.						
Approximate s	urface level	No. 8		sea (C	rdnance	datu	m).	
Sand and gravel Hard blue clay					Fs. Ft. In 1 5 ( 1 0 (	)	Ft. In.	
	Total	•••	•••	•••	,***	2	5 0	

# No. 2,076.—TYNEMOUTH.

TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

No. 9.

Approximate surface level feet above sea (Ordnance datum).

 Sand
 ...
 ...
 ...
 0
 1
 6

 Hard blue clay
 ...
 ...
 ...
 1
 0
 6

 Clay
 ...
 ...
 1
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 Clay, with thin layers of sandy clay
 ...
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### INDEX.

N.B.-Names of Coal Seams and other beds are in italic. The same name often applies, according to locality, to more than one Seam.

A Pit, Seaton Delaval Colliery 55. A Pit, Springwell Colliery, 183. A Pit, Stella Grand Lease Colliery, 197. Acklington, 310. Adamson's Public House, Shildon Lodge, 124. Adamson's Public House, Spennymoor, 182. Addison Pit, Stella Colliery, 219, 220. Allerdean Winning, 265. Allerwash, 86, 87.
Allotment land, Stanley, 188. All Saints, Newcastle-upon-Tyne, 25—27. Alnwick, Shilbottle Colliery, 183—117. Annie Pit, South Medomsley Colliery,

Armstrong's House, Tanfield Moor, 254, Armstrong's Springwood, Tanfield Lea, 243, 244, 245, 246.

Armstrong's Low Field, Tanfield Lea, 244. Ash Tree Pit, Stella Grand Lease Colliery, 195.

Avenue The, Seaton Delaval, 53, 54. B Pit, Seaton Delaval Colliery, 55, 56.

B Pit, Springwell Colliery, 183. B Pit, Stella Grand Lease Colliery, 200. Ballarat Seam, 191, 229, 230.

Barlow Fell Seam. (See Barlow Field.) Barlow Field Seam, 198, 200.

Barras' land, Saltwellside, 28. Beatumont Seam, 29, 30, 103, 266, 347.
Bedburn, North, 270—272.
Bensham Seam, 7, 9, 26, 50, 73, 84, 101, 103, 105, 130, 184, 264, 348
Bent House, Westoe, 177.

Bertram Place, Earsdon, 138. Berwick-upon-Tweed, Scremerston Col-

liery, near, 38.
Berwick-upon-Tweod, Shoreswood Colliery, 141.

Billy Row, 186, 229—231. Biteabout Seam, 34, 229. Black Fell Water Drift, 265. Black Middens, North Shields, 349, Black Plantation, Tudhoe, 324.

Black Prince Cottages, 314.
Blackside Pit, Talkin Colliery, 236.
Blacksike, 237.
Blaydon Colliery, Owners, 279.

Blyth, River, 156.

Boggle Hole, Stella, 196.

Bog Pit, Stella Grand Lease Colliery, 206. Bored below *Brockwell Seam*, 190, 330, 336.

Bottom Seam, 310. Boutflower's Farm, 87.

Bowes, George, Royalty of, 106. Brancepeth, New, 161.

Brandon and Byshottles, 161.

Brass Thill Seam, 93, 99, 107, 109, 148, 150, 155, 167, 169, 172, 173, 180, 181, 246, 250, 255, 262. Brenkley, 50-52.

326, 328, 330, 332, 334. Brockwell Seam, bored below, 190, 330, 336.

Briery Hill, Stannington, 194. Broken Backed House, 10. Brown's Mill, Shiremoor, 133.

Bulman Seam, 37, 141. Burn Side, Twizell Colliery, 343.

Buston, Low, 143. Busty Seam, 47, 107, 126, 162, 164, 166, 167, 168, 170, 189, 191, 229, 230, 263, 270, 275, 324, 325, 329, 331, 333, 334, 335.

Byers Garth Farm, Sherburn House, 95. Byker Bar, 9. Byshottles, Brandon and, 161.

C Pit, Seaton Delaval Colliery, 57, 58, 60. C Pit, South Tanfield Colliery, 181.

Caldside Seam, 35.

Cannel Coal, 47, 197, 228.
Cape Pit, Tanfield Moor Colliery 257.
Carr & Co.'s Shoreswood Colliery, 141.
Cassop, 332—336.
Catherine Pit, St. Helens Auckland Colliery, 20.
Cancer Coal, 37, 39.
Centre Bit Field, North Moor Farm, 64.
Centre Pit, Team Colliery, 265.
Chapman, Messrs., Saltwellside, 28.
Chance Pit, Throckley, 301.
Charlaw, 4.
Chirton, 131—137.
Clarence Railway, 289.
Coal Sill, 118.
Collierly, 166, 173.
Collingwood's Monument, Tynemouth, 350.
Cooper-eye Seam, 37, 141.
Corving House, Tanfield Moor Colliery, 251.

Cowen's Freehold Pit, Stella, 211.
Cowen's Water Mill, Stella, 211.
Cragg Wood, Evenwood, 224.
Cramlington Wagonway, 83.
Craw Coal Seam, 236.
Croglin Fell, 237.
Crook and Billy Row, 186, 229—231.
Crow Coal Seam, 197, 201, 207.
Crown Pit, Saltwellside, 28.
Cumberland, Talkin Colliery, 236.

D Pit, Seaton Delaval Colliery, 57. Darling's House, 3. Davison's Ground, Tanfield, 242. Denton Low Main Seam, 347. Derwent, River, Shildon on the, 118. Dewley Burn Level, Throckley, 299. Diamond Coal Seam, 36, 39. Doll Pit, Sheriff Hill Colliery, 104. Douccate Close Well, Throckley, 302. Dove Pit, Talkin Colliery, 236. Duke Seam, 310, 311. Dunn Limestone, 34. Durham and Nettlesworth Road, 3. Dyke Pit, Shilbottle Colliery, 117.

E Pit, Seaton Delaval Colliery, 71.
Earsdon, 138.
Earsdon Lane, 138, 139.
East or New Pit, Shilbottle Colliery, 111.
East Sleekburn, 156.
East Pit, Sherburn Hill Colliery, 93.
East Pit, Tudhoe Colliery, 328.
East Shibdon, 105.
East Stanley Colliery, 191—193.
East Thickley, 266—270.
East Ward, Gateshead, 130, 346—349.
Edmondsley, 337—346.
Eight-Yard Limestone, 110, 111.
Emma Pit, St. Helens Auckland Colliery, 19.
Emma Pit, Towneley Colliery, 206, 209, 210.

Eldon, Lord, Estate, Shildon, 121. Elsdon, 173. Elvet, Durham, 223. Engine Pit, St. Helens Auckland Colliery, 16, 18, 21.
Engine Pit, Scremerston Colliery, 38. Engine Pit, Seaton Burn Colliery, 48. Engine Pit, Seaton Delaval Colliery, 66, 69, 70. Engine Pit, Seghill Colliery, 84. Engine Pit, Shildon Colliery, 122. Engine Pit, Shitton Colliery, 122.
Engine Pit, Shotton Colliery, 146.
Engine Pit, South Hetton Colliery, 162.
Engine Pit, Throckley Colliery, 298.
Engine Pit, Twizell Colliery, 343, 345.
Engine Pit, Tyne Main Colliery, 346.
Engine Seam, 296, 301, 304, 305, 306, 308. Engine Shaft, Tanfield Lea Colliery, 249 Engine, Twizell, 340. Errington's South Herd Hill Field, Stannington, 193. Evenwood, 224. F Pit, Seaton Delaval Colliery, 71. Fanny Pit, Sheriff Hill Colliery, 103. Fanny Pit, Throckley Colliery, 303. Farewell Pit, St. Anthony's Colliery, 6. Fell Gate, Shiremoor, 135.
Fell Gate, Tanfield Leigh, 259.
Fenwick's Moor, Shiremoor, 139.
Findon Hill Pit, Sacriston Colliery, 5. First Pit, Twizell Colliery, 341.
First Sinking Pit, Thrislington Colliery, Five-Feet Seam, 349. Five-Quarter Drift, Trimdon Colliery, Five-Quarter Seam, 2, 4, 5, 6, 9, 17, 27, 44, 46, 79, 84, 90, 92, 93, 99, 102, 103, 104, 105, 107, 109, 122, 130, 147, 149, 163, 167, 169, 171, 172, 173, 180, 181, 184, 185, 107, 109, 200, 200, 201, 202 149, 109, 107, 109, 171, 172, 173, 180, 181, 184, 192, 197, 199, 200, 201, 202, 207, 211, 212, 215, 224, 229, 250, 262, 264, 265, 268, 274, 288, 311, 314, 315, 316, 317, 318, 320, 322, 323, 348. Fleetgate Shaft, Settlingstones, 86. Foot Coal Seam, 229, 261. Ford, by the River Wear, Tudhoe, 326. Forster Pit, Seaton Delaval Colliery, 72. Fortune Pit, Tanfield Moor Colliery, 256. Four-Feet Coal, 10.

Game's Field Boring, Thornley, 278. Gunless River, 23, 24, 224. Gardener's Houses Farm, 52. Gate Pit, Stella Grand Lease Colliery, 204.

Four Lane Ends, Sherburn House, 95.

Furnace Pit, Shildon Lodge Colliery, 125.

Foundry Field, Stella, 216. Four-Quarter Seam, 310.

Fryer's Letch, 68.

Gateshead, East Ward, 130, 346, 349. Gateshead Fell, 103, 104.

INDEX. 357

Gateshead, South Ward, 28-31. Gee's Fence, Langley Moor Farm, 172. Gill Pit, Shield Row Colliery, 106. Gingling Gate, 345. Ginn Close, South Shields, 174, Gore Hall, Thornley, 272. Grand Lease Colliery, Stella, 195. Grand Lease Main Coal Seam, 197, 200, 207.

Great Limestone, 118, 186. Great Whin Sill, 87. Grey Field, Whitridge Farm, 65, 67. Grey Seam, 49, 69, 71, 75, 77, 78, 80, 81, 82, 84, 160.

Green Lane, St. Helen's Auckland, 25. Green's Gate, Shiremoor, 132.

Hand Coal Seam, 199, 202, 207, 214, 308. Hard Coal Seam, 106, 108, 244, 245, 255,

Hardy Coal Seam, 36. Harrison's Pasture, Shildon, 120. Hartley Stone Coal Seam, 58, 70, 76, 79,

Harvey Seam, 10, 17, 19, 20, 47, 129, 164, 167, 168, 275, 291, 292, 319, 321, 324, 325, 328, 329, 331, 333, 334.

Harvey's Low Main Seam, 104. Harvey's Main Coal Seam, 29. Hartley Main Coal Seam, 79, 83. Haswell, 162—166.

Hastings, Lord, 57. Hayton, 236, 237.

Haugh Ground, Throckley, 305.

Heath Field, Stella, 197. Heddon-on-the-Wall, 305. Hedgefield, 217, 219. Hedley Hope, 230. Hill Pit, Throckley, 304. Hill Top Farm, Tow Law, 317. Hepple Demesne, 235.

Hetton, South, 162. Hexham, 228.

High Church, Tranwell, 317.

High Main Seam, 6, 7, 8, 26, 28, 48, 55, 57, 66, 69, 73, 75, 77, 78, 79, 81, 82, 83, 84, 86, 101, 103, 130, 132, 133, 134, 138, 159, 160, 183, 194, 263, 348. High Stublick Colliery, 225—229. Hobson Pit, Tanfield Moor Colliery, 262.

Hodge Seam, 202, 207, 210, 213, 214, 217, 219, 305, 308. Hogger's Gate, Road leading from, 332.

Holmside, 169.

Hopper's Draw Well, Silksworth, 150. Hopper's Farm House, Sherburn, 89.

Hughes' Field, Shildon, 121.

Hutton Seam, 44, 47, 92, 93, 94, 99, 107, 108, 109, 128, 130, 148, 150, 155, 163, 167, 169, 172, 181, 185, 193, 250, 262, 264, 275, 283, 291, 292, 319, 321, 323, 325, 329, 332, 334, 346.

Isabella Pit, Sheriff Hill Colliery, 100. Isabella Pit, Throckley Colliery, 308.

Jack Tar Pit, Scremerston Colliery, 34. Jane Pit, Thrislington Colliery, 291. Jew Limestone, 87. Johnson's Mrs., House, Soremerston, 40. Jordison's House, Sherburn House, 97. Josephine Pit, Stanley Colliery, 190.

King Pit, Sheriff Hill Colliery, 102. King Street, South Shields, 179. Kyo, 108, 109, 180, 181, 253—262.

Lady Durham Pit, Sherburn Colliery, 94. Lamb's Foundry Field, Stella, 216. Lamesley, 263—265. Lanchester Common, 169, 173. Lane Head Quarry, 186. Langley, 170.
Langley Moor Farm, 172.
Level Pit, Shield Row Colliery, 108.

Limestone, Dunn, 34.
Limestone, Eight-Yard, 110, 111.
Limestone, Great, 118.
Limestone, Jew, 87,
Limestone, Little, 118.

Limestone, Six-Yard, 110, 111. Limestone, Woodend, 34.

Lingey Close, 1. Little Coal Seam, 103, 104, 107, 129, 250,

262, 317. Little Five-quarter Pit, Thrislington, 290.

Little Limestone, 118. Lizzie Pit, South Pontop, 173. Loaning End Close, Seghill, 79. Londonderry, Marquis of, 41. Long Hole, Stanley, 189. Longridges Ground, Stella, 196. Long Trail, Sheepwash, 89. Lord Eldon's Estate, Shildon, 121.

Low Buston, 143.

Low Coal Sill, 118.

Low Lights, North Shields, 351.

Low Main Seam, 7, 9, 27, 30, 46, 49, 50, 52, 58, 59, 60, 61, 68, 70, 74, 85, 93, 94, 99, 102, 104, 105, 128, 130, 147, 150, 155, 161, 163, 169, 172, 181. 150, 155, 161, 163, 169, 172, 181, 184, 185, 192, 262, 264, 265, 274, 283, 291, 292, 318, 321, 322, 323, 332, 333, 346, 348, 349.

Low Pasture Field, North Moor Farm,

Madio's Pasture, Throckley, 297. 200, 201, 202, 230, 250, 262, 274, 283, 290, 309, 318, 320, 322, 323, 328, 345.

Main Coal Pit, Throckley, 299.

Main Post, 183. Main Seam, 310.

Field, Fryer's Make-me-rich Letch, Seaton Delaval, 68.

Maudlin Seam, 44, 46, 92, 130, 155, 163, 169, 172, 184, 192, 250, 274, 323, 346. Mare Close, Seghill, 76. Marshall's, Stella, 195. Mary Pit, South Medomsley Colliery, 168.Mason Pit, Seaton Burn Colliery, 52. Medomsley, 166. Metal Coal Seam, 26, 103, 104, 130, 137, 184, 263, 348. Middle, Main, or Duke Seam, 310. Middridge, Lane Leading to, 267. Millstone Grit, 228. Moor Edge, South Moor Colliery, 169. Mountain Limestone, Section of, 40. Mountset, Tanfield Moor, 251. Mowbrey's Estate, East Sleekburn, 156. Musgrave, Sir G., Estate, Shildon, 121. Musgrave, Sir P., Estate of, St. Helens Auckland, 10. Mushroom Colliery, 25-27. Nafferton West Pasture, 120.

New Acres, South Moor Colliery, 169. New Brancepeth Colliery, 161. Newcastle and Carlisle Railway, 214, 216, 217. Newcastle-upon-Tyne, St. Lawrence Colliery, 25-27. New Grove, Sacriston Colliery, 5. New Pit, Tanfield Lea Colliery, 250. New Pit, Trimdon Grange Colliery, 323. New Pit, Shilbottle Colliery, 111. New Shildon Workshops, 121. New Sunniside Pit, Peases' West Collieries, 230. New Winning or A Pit, Stella Grand Lease Colliery, 197. New Winning Pit, Stargate, Stella Grand Lease Colliery, 201. Nicholson's Banks, Throckley, 293. Nightingale Pit, St. Anthony's Colliery, 17. No. 1 Shaft, Silksworth Colliery, 151. 2 Staple, St. Helen's Auckland Colliery, 18.

No. 16 Pit, Scremerston Colliery, 36. North Bank Edge, Sheepwash, 88. North Bedburn, 270—272. North Moor Farm, 64. North Pit, Seaton Burn Colliery, 49. North Pit, Sherburn House Colliery, 99. North Pit, Shipcote Colliery, 130. North Pit, Shotton Colliery, 148. North Ryton, 205. North Well Field, Whitridge Farm, 61.

Oak Tree Pit, Stella Grand Lease Collieries, 196.
Ogle, 33.
Old Coal Pit, Thrislington Colliery, 290.
Old Hall, Seghill, 75.
Old Shildon, 122.

Old Water Pit, Stella Grand Lease Colliery, 217.
Old Winning, Thornley-on-Tyne, 277.
Orchard Ford, Sheepwash, 88.
Otterburn, 141.

Parrot Coal, 47.
Path Head, Stella, 211, 212.
Pea Pit, Shield Row Colliery, 108.
Peases' West, New Sunniside Pit, 230.
Pit Field, West Sleekburn, 158.
Plessy Seam, 74.
Polly Pit, Shiremoor, 136.
Princess Seam, 310.
Prospect Hill, Shiremoor, 135.
Purvess's Houses, Thornley-on-Tyne, 279.

Quaking House Pit, Shield Row Colliery, 109. Quarry Close, South Shields, 174. Quarry Pit, Throckley, 301.

Quarry, Seghill, 79.

Raw's Pasture, Evenwood, 224.
Restoration Pit, St. Anthony's Colliery, 8.
River Blyth, 156.
River Derwent, 118.
River Gaunless, 224.
Robie's Coal, 35.
Rothbury, 235.
Royal Shildon Wallsend Colliery, 123.
Ruler Coal Seam, 198, 200, 201, 207, 208, 214.
Ryton, 203, 205, 206, 208, 209, 213, 214, 216 219, 220.
Ryton, Stargate New Winning, 201.

Sacriston Colliery, 1—5.
St. Anthony's Colliery, 6—9.
St. Helen's Auckland Colliery, 10—25. St. Lawrence Colliery, 25—27. Saltwellside, 28—31.
Saltwick, 32—34.
Sawmill, Swarland Hall, 235. Scremerston Colliery, 34—41. Scremerston Main Coal Seam, 36, 39, 40. Scremerston Station, 40. Seaham Colliery, 41-47. Seaton Burn Colliery, 48-52. Seaton. (See Seaham.) Seaton Delaval Colliery, 53-74. Seghill Colliery, 74—86. Settlingstones, 86, 87. Seventh Pit, East Stanley Collicry, 191-Seventy-Fathoms Coal, 6, 178. Shadforth Beck, 97, 98. Sheepwash, 87—89. Sherburn, 89—100. Sherburnhill Colliery, 93. Sherburn House, 95—100. Sherburn House Pit, 99, 100. Sheriff Hill, 100—105. Shibdon, 105. Shield Row, 106—109.

Shield Row Seam, 107, 109, 169, 171, 172, 173, 180, 181, 192, 243, 244, 245, 249, 251, 261 251, 261 Shilbottle Colliery, 110—117. Shilbottle Seam, 110, 112. Shilburnhaugh, 117. Shilburnhaugh Seam, 117. Shildon, 118. Shildon Colliery, West Pit, 269. Shildon Engine Pit, 122. Shildon Lodge Colliery, 124. Shildon, Royal Wallsend Colliery, 123. Shildon Works, 121. Shincliffe Colliery, 127—130. Shipcote Colliery, 130. Shiremoor Colliery, 131-140. Shittleheugh, 141. Shop Pit, Team Colliery, 265. Shortender, 141.
Shortridge, 143—145.
Shortridge House, 143.
Shotley High-Quarter, 118—126.
Shotton Colliery, 145—150. Silksworth Colliery, 150-155. Simonside, 155. Six-Quarter Seam, 7, 9, 26, 102, 104, 105, 130, 184, 202, 264, 265, 348. Six-Yard Limestone, 110, 111. Sleekburn, 157—161. Sleetburn Colliery, 161. Smith's Shop, Stella, 213. Smith's Shop, Throckley, 296. Smoke Staple, Shilbottle Colliery, 110. Soho, Shildon, 124. Soppit Colliery, 173. Sore field, Whitridge Farm, 62, 66. South Dodderish Field, Seghill, 82. South Hetton Colliery, 162-166. South Dean, South Shields, 175. South Medomsley Colliery, 166—168. South Moor Colliery, 169—172. South Moor Staple, 170. South Pontop Colliery, 173.
South Shields, 174—179.
South Tanfield Colliery, 180.
South Ward, Gateshead, 28—31. Spanish Battery, Tynemouth, 349. Spennymoor, 182.

Sprouston, 185.
Stannington, 49, 193, 195.
Stanhopeburn, 186.
Stanley, 186-193.
Stargate House, 216.
Stargate New Winning Pit, Stella Grand
Lease Colliery, 201, 213.
Stead's Oparry, 35

Spearmans Ground, Tanfield Lea, 240,

245,

Stead's Quarry, 35. Stella, 195—220. Stella Foundry, 204.

241, 242, 243. Spittle, 40. Splint Seam, 296, 306.

Springwell Colliery, 183—185. Springwood, Tanfield, 243, 244, Stella Freehold, 204, 206.

Stella Freehold Top Seam, 203.

Stella Grand Lease Colliery, 195—220.

Stella Park Wall, 212.

Stella Staith, 213.

Stephenson's House, Throckley, 295, 306.

Stickley, 221.

Stobswood Colliery, 222.

Stockton and Darlington Railway Company, 124.

Stockton and Darlington Railway, Sinking Pit near, 267.

Street Pit, Team Colliery, 263.

Stone Bridge, 323.

Stone Coal Seam, 59, 60, 103, 104, 130, 137, 199, 200, 202, 215, 219, 229, 264, 308, 348.

Storey House, Shiremoor, 140.

Storey's House, Shiremoor, 140.

Storey Lodge Colliery, 224.

Stublick Colliery, 225—229.

Success Pit, Seghill Colliery, 86.

Sunniside Colliery, 229—231.

Surtees Colliery, 01d Shildon, 122.

Swallow Dene Whin Dyke, 61.

Swarland, 231—235.

Swarland Hall, 231.

Swindon Colliery, 235.

Talkin Colliery, 236—238.
Tanfield, 106—108.
Tanfield Lea Colliery, 240—250.
Tanfield Leigh, Fell Gate, 259.
Tanfield Moor Colliery, 251—262.
Tanfield Moor Edge, 255.
Tanfield Moor Edge, 255.
Tanfield Moor Edge Colliery, 256.
Team Colliery, 263—265.
Tenant's House, Tanfield Lea, 246.
Thickley, 267—270.
Thistle Field, Whitridge Farm, 63.
Thistle Flatt, 270—272.
Thistle Flatt, 270—272.
Thistle Pit, Throckley, 300.
Thornley (near Tow Law), 276.
Thornley (near Winlaton), 277—280.
Thornley Pit House, 312, 315.
Thornton, 281, 282.
Thornton Moor, 281.

Three-Quarter Coal, 37, 90, 92, 93, 141, 147, 149, 162, 167, 168, 199, 202, 207, 209, 210, 213, 220, 229, 274, 304, 306, 311, 317, 318, 320, 322.
Togston Colliery, 310—312.
Togston Low Hall Farm, 311.
Top Coal Seam, 229.
Top or Princess Seam, 310.
Tow Law Gamm, 313.
Tow Law Common, 313.
Tow Law Common, 313.
Tow Law Pit, 314.
Towneley Colliery, Emma Pit, 206, 208, 209, 210, 213.
Thrislington, 282—292.
Thrislington Hall, 282.
Throckley Banks, 298.

Throckley Coal Company, 306.
Throckley Colliery, 293—309.
Throckley Fell, 299.
Throckley Mill, 299.
Thropton, 309.
Thropton West Field, Throckley, 309.
Tilly Coal Seam, 198, 200, 202, 211, 214, 219, 308.
Towneley, Col., Property of, 214, 217.
Towneley Main. (See Towneley Seam.)
Towneley Pit, Stella Grand Lease Colliery, 203.
Towneley Seam, 168, 200, 202, 207, 215, 217, 219.
Towneley, Stella and Grand Lease Colliery, 195—220.
Tranwell, 317.
Trimdon Colliery, 318—321.
Trimdon Grange Colliery, 322—324.
Trimdon Staple, 318.
Tudhoe Colliery, 324—332.
Tudhoe Grange, 331.
Turnip Field, near Throckley, 293, 294.
Tursdale Colliery, 332—336.
Twizell Hall, 337, 340.
Twizell Colliery, 337—346.
Two-Quarter Seam, 104.
Tynemouth, 349—354.
Tyne Main Colliery, 346—349.

Union Pit, Seaham Colliery, 42. Upcast Shaft, Sherburn Colliery, 94. Upper Main Coal Seam, 104, 106. Ushaw College, 161. Usworth, 183.

Venture Pit, St. Anthony's Colliery, 9.

Wansbeck River, 87.
Warkworth, 14.
Watergate Royalty, 271, 272.
Waterhouse, 124.
Water Pit, Stella Grand Lease Colliery, 217.
Water Wheel, Stella, 218.
Watson's Well, Weeks', 88.

Weeks' Water Wheel, Stella, 218. Weetslade, 48.
Well Field, Whitridge, 81.
Wellhaugh, 117.
West Awards, Throckley, 298. West Borehole, Throckley, 294. West Brenkley Estate, 50, 51. Wester Coal Seam, 38. Western Pit, Soppit Colliery, 173.
West Frederick Shaft, Settlingstones, 86.
West Haugh Field, Seghill, 76.
Westoe, 155, 174—179. West Pit, Sherburn Hill Colliery, 93. West Pit, Shildon Colliery, 269. West Pit, Tudhoe Colliery, 328. West Quarter, 225—229. West Sleekburn, 158. West Sleekburn Pit, 159—161. West Thornton, 281, 282. Whickham Stone Coal Seam, 29. Whickhope Burn, 117.
Whinney Haugh, Shilbottle, 88.
Whinney Hill, Thrislington, 289.
Whin Sill, 87. Whitworth, 182. Whitworth Coal Seam, 327. Whiteley Head, 253. Whitridge Farm, 61, 62, 63, 65, 66, 67, Wolsingham, 276, 312, 317. Woodend Limestone, 34. Wood Head, Seaton Delaval. 54. Wood's Field, Shildon, 119. Woodley Farm House, 190.
Workhouse, Tynemouth, 350.
William Pit, Tyne Main Colliery, 347.
Winlaton, 105, 277—280.
Winter's Shaft, Settlingstones, 87. Witton Gilbert, 1-5.

Yard or Bottom Seam, 310, 311. Yard Seam, 8, 10, 17, 19, 20, 49, 58, 68, 70, 72, 73, 75, 77, 78, 80, 82, 84, 101, 103, 104, 122, 130, 157, 160, 184, 191, 202, 228, 264, 348.

### AN ACCOUNT OF THE STRATA

OF

# NORTHUMBERLAND AND DURHAM

AS PROVED BY

# BORINGS AND SINKINGS.

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### AN ACCOUNT OF THE STRATA

OF

# NORTHUMBERLAND AND DURHAM

AS PROVED BY

# BORINGS AND SINKINGS.

### No. 2,077.—ULGHAM.

TOWNSHIP OF ULGHAM GRANGE, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. 55° 13' 40", Long. 1° 36' 37".

Account of Strata bored through near Ulgham, about 100 yards down the Linton Lane on the East side of the Newcastle and Berwick Railway. August, 1854.

Fs. Ft. In. Fs. Ft. In.						
				Fs.		
Soil 0 1 6 Brought forward				7	0	3
Brown clay 0 3 0 Grey post	1	4	0			
Sand, with water 0 1 0 Grey metal	1	5	0			
Brown clay, with Black metal	0	0	4			
stones 0 3 6 Grey post	0 2	9	1.			
Sand, with water 0 2 0 Black metal		0	3			
	U	Ü	3			
Strong blue clay, with Soft dark grey metal	0	0	5			
stones 2 3 0 COAL	0	0	8			
Soft grey metal 0 2 9				12	9	8
Black metal; mixed				14	2	0
0 0 0	0	1.	6			
	U	*	U			
	-	_				
Soft grey metal 1 1 1 soft black shale	Ţ	5	4			
	0	0	5			
COAL 0 3 5 COAL, coarse and						
1 4 6   splinty	0	1	3			
Grey metal 1 4 10	•	-	_	_	_	-
White post, with				2	5	6
water 4 2 10						
		_		-		-
Carried forward 6 1 8 7 0 3 Carried for	rwar	ď		22	2	5
				A		

# No. 2,077.—ULGHAM.—CONTINUED.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 22 2 5	Brought forward 14 4 7 60 5 2 Black stone, with a
Black metal, mixed $\left\{\begin{array}{ccc} 0 & 0 & 7 \\ \text{with } coal & \dots \end{array}\right\}$	little coal 0 1 10
	Strong grey metal 1 0 4
Grey metal 0 4 5	Strong white post,
Strong white post, with water and	mixed with whin 1 0 4
whin girdles 4 1 2	Black stone, mixed
Grey metal, with post	with $coal$ 0 0 7 Light grey metal 1 5 3
girdle 1 0 3	
Black metal 0 0 2	Strong white post, with water 1 4 10
Ft. In.	with water 1 4 10  Black metal, mixed
COAL 0 8	with coal 0 2 3
Black metal,	21 2 0
$\begin{array}{ccc} \text{mixed} & \text{with} \\ coal & \dots & 1 & 2 \end{array}$	Soft grev metal 0 0 4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Soft grey metal 0 0 4 Soft black metal 0 0 11
6 3 6	Strong grey metal,
Grey metal 0 1 10	with post girdles 1 0 11
Strong white post,	Black metal, mixed
mixed with whin 4 1 2	with coal 0 0 9
Grey metal 4 2 10	Ft. In.
White post, mixed	COAL 0 4
with metal partings 7 0 8	Soft grey metal 0 7
COAL, coarse splinty 0 0 7 16 1 1	COAL 0 9 0 1 8
	1 4 7
Strong grey metal 3 1 6 Black metal, mixed	
with coal 0 1 3	Grey metal 0 0 11
3 2 9	Black metal, mixed with coal 0 0 6
Grey metal 1 2 1	Grey metal thill 0 1 6
Hard white post 0 4 6 Grey metal 1 3 2	Strong white post,
Grey metal 1 3 2	with metal partings 4 3 7
Black metal U U U	Grey metal 0 1 8
COAL, good 0 1 0 3 5 3	Grey metal 0 1 8 Black metal 0 0 5
Grey metal 0 1 8	Thill, grey metal 0 1 8.
White post, mixed	Strong grey metal 1 5 0
with metal partings 3 5 10	Black metal, mixed with coal 0 0 9
Whin 0 2 8	with coal 0 0 9 Grey metal 0 0 3
Whin 0 2 8 Grey post 2 1 2	Ft. In.
Black metal 0 2 10	COAL, good 2 1
Grey post 0 5 4	COAL, splinty,
COAL 008	with slate
Light grey thill 0 2 2	partings 1 0
Black metal, mixed	COAL 0 6
with coal 0 0 10	0 3 7 $$ 8 1 10
Grey metal, with post	
girdles 3 4 2	Dark metal 0 1 5
	Strong grey metal
Light grey metal	stone 1 3 0 White post, with a
stone 2 0 10	large feeder of
Ironstone girdle 0 0 3 Grey metal 3 1 3	water 0 2 10
Grey metal 3 1 3 Black metal 1 1-11	2 1 3
White post, with me-	
tal partings 3 3 6	
	Total 94 2 10
Carried forward 14 4 7 60 5 2	Total 94 2 10

^{*} Approximate sea level (Ordnance datum).

#### No. 2,078.—ULGHAM.

#### TOWNSHIP OF ULGHAM GRANGE, NORTHUMBERLAND.

Sheet 64 of Ordnauce Map. Lat. , Long.

Account of the Boring in Crawdon (or Crowden) Hill Farm, on the low side of the North-Eastern Railway, and close to the South Boundary adjoining Old Moor Royalty. May 3rd, 1873.

Soil Fs. Ft. In. Fs. Ft. In. O 1 6	Brought forward Fs. Ft. In. Fs. Ft. In. 31 4 9
Sand and bed of clay 0 3 0	Grey metal and metal
Blue stony clay 0 4 0	stone 2 2 3
Sand, with water 1 0 0 Blue stony clay 1 2 6	Whin 0 0 6
Dry sand, mixed with	Metal stone 0 5 10 Grey post 0 3 6
clay 2 0 0 Brown strong clay 5 4 6	COAL, foul 0 1 2
Brown strong clay 5 4 6 Dark metal 0 4 0	4 1 3
Ft. In.	Metal and metal
Grey metal 0 8	stone 2 4 0
Grey metal 1 0	Grey post 6 3 0 Grey metal stone 1 0 6
0 3 0	Grey post 0 3 2
12 4 6	Ft. In.
Grey metal 0 5 0 Grey metal stone 2 5 6	COAL 1 4
Grey post, with metal	Metal band 0 9
partings 1 0 0	Grey metal 0 5
Dark metal 0 1 0 COAL 0 2 2	COAL, with
5 1 8	white scares and coarse
Grey metal and metal	the first 6
stone 3 5 6 .	inches 1 9
COAL 2 0	0 5 4
COAL, soft	11 4 0
foul 0 10	Into grey metal 1 0 0
0 2 10	
Grey metal 0 4 6	·
Grey post 7 2 0	
Grey metal 1 1 3 COAL. foul 0 0 6	
COAL, foul 0 0 6 9 2 3	
9 2 3	
Carried forward 31 4 9	Tota 48 4 0
OMITION 202 WARE	

### No. 2,079.—ULGHAM.

TOWNSHIP OF ULGHAM GRANGE, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. 55° 13′ 39″, Long. 1° 36′ 19″.

Section of Strata at Ulgham or Ferney Beds Colliery.

Approximate surface level 106 feet above sea (Ordnance datum).

Blue clay 4 2 0 White metal 1 3 0 Black metal 1 2 0 Fire clay 0 3 0 COAL 0 1 4	Brought forward 4 3 0 7 5 4  Top Seam— Ft. In. COAL 0 5 Black metal 0 5 COAL 0 3
White and blue post girdles 4 3 0	Black metal 0 5 COAL 2 0 0 3 6 5 0 6
	Fire clay, with iron- stone 1 1 0 COAL—Bottom Seam 0 3 5
Carried forward 4 3 0 7 5 4	Fire clay 0 5 0  Total *15 3 3

^{*} Approximate sea level  $12\frac{3}{4}$  feet below this.

### No. 2,080.—URPETH.

TOWNSHIP OF URPETH, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Bored at Urpeth Burn near the Leather Mill. December 13th, 1742.

Fs. Ft. In.	Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Soil and brown ramble 0 1 6		Brought forward 8 5 2 1 4 10
Grey post girdles 0 3 0		Grey metal stone 2 1 6
Grey metal, with		Ft. In.
brown scames 0 4 0		COAL 1 7
Black metal stone 0 2 0		Grey metal 0 2
COAL, with water 0 0 4		COAL, with
	1 4 10	scare bands T 0
Black metal stone 0 4 0		Black slaty me-
White post, with water 4 0 0		tal 0 7
Grey post, with coal		COAL 1 3
pipes 1 0 0		Black slaty me-
White post 0 4 0		tal, scared
Whin 0 1 0		with coal 0 6
White post, with water 2 0 0		0 5 1
Grey metal 0 2 2		11 5 9
Carried forward 8 5 2	1 4 10	Carried forward 13 4 7

### No. 2,080.—URPETH.—CONTINUED.

Fs. Ft. In. Fs. Ft. In.   Fs	
Grey metal 1 0 0 White post, with metal partings and water 0 3 0  Rlack and grey metal 2 1 0  Ft. In.  Strong open grey post 0 3 0 White and grey scamy post 1 3 0 Grey metal stone, with post girdles and water 2 1 6	
White post, with metal partings and water 0 3 0  Rlack and grey metal 2 1 0  Ft. In.  White and grey scamy post 1 3 0  Grey metal stone, with post girdles and water 2 1 6	
tal partings and water 0 3 0  Rlack and grey metal 2 1 0  Ft. In.  Post 1 3 0  Grey metal stone, with post girdles and water 2 1 6	
water 0 3 0  Rlack and grey metal 2 1 0  Ft. In.  Grey metal stone, with post girdles and water 2 1 6	
Rlack and grey metal 2 1 0 post girdles and water 2 1 6	
Ft. In. water 2 1 6	
COAL 1 I O	
COAL, slaty 0 3 COAL 2 0 COAL 3 10	
COAL 2 0 COAL 3 10	
Hard black Brass coal or	
slaty stone, lump 0 2	
slaty stone, slaty stone coAL 0 2	
coal 0 6 COAL, foul 0 5 COAL, slaty foul 1 2	
- 0 4 8 Black metal,	
4 2 8 scared with	
Grey metal stone 0 1 7 coal 0 6	
Grey and black metal ——— 1 0 1	
stone, with post gir-	
dles and water 2 0 0 Grey metal 0 1	2
Carried forward 2 1 7 18 1 3 Total 26 0	3
2007	

### No. 2,081.—URPETH.

#### TOWNSHIP OF URPETH, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

#### Bored on the Fell, 700 yards North of Urpeth Ford. October, 1744.

Soil and sandy clay O 3 9	Fs. Ft. In. Fs. Ft. In. Brought forward 10 2 6
Soft clay and sand, with water 1 5 0	COAL 4 3
Sand 3 0 0 Sand, with water 0 0 9 Stony electronic description	COAL foul 0 3 — 0 4 6
Stony clay 4 3 0 Grey metal 0 2 0	Grey post 0 0 4  Grey metal, with post
	girdles and set away the water 3 5 0
Carried forward 10 2 6	Carried forward 3 5 4 11 1 0

### No. 2,081.—URPETH.—CONTINUED.

2 110 1					Ft.		Fs. Ft. In. Fs. Ft. In
Brought forward	3	Э	4	11	1	U	Brought forward 5 4 6 29 4 3
Brown scamy post,							Strong white post 1 0 0
with water	1	0	0				Grey metal, with post
A soft brown and grey							girdles 2 0 0
	0	1	3			•	Grey metal, with gir-
Grey metal	2	ō	Õ				dles or catheads 2 1 6
COAL	~	0	4				dies of catheaus 2 1 0
COAL	U	U	*				Ft. In.
				7	0	11	COAL 4 4
G	0	0	0				COAL, foul,
Grey metal		3	0				or coal mixed
Grey and white post	0	3	0				with brass 0 3
Grey metal stone	0	4	0				
COAL	0	0	5				0 4 7
				1	4	5	11 4 7
	_		_				
Grey metal		Ţ	0				Grey metal 0 2 3
Grey and brown post	2	2	0				Black metal, scared
Grey and brown scamy							with coal 0 1 6
post, with water	1	0	0				Grey metal and post
Grey and brown scamy		_	_				girdles 3 0 0
	3	1	0				Blue and black metal,
post	9	1	U				
Strong white post,	_		_				with girdles or cat-
mixed with whin	0	_	3				heads 0 4 10
COAL	0	1	8				771 7
				9	3	11	COAL 4 4
Grey metal, with cat-							
heads	1	0	0				COAL, foul 0 4
Blue and black metal,	_	Ŭ	Ŭ				0 4 11
with catheads and							5 1 6
	0	^	_				Blue metal 0 1 0
girdles							
A whin mixture	0	1	6				
White post, with whin							
and some small							
scamy partings	2	3	0				
J. F. Taranga							
Carried forward	5	4	6	29	4	3	Total 46 5 4
Carried, for ward	0		0	20	-10	9	TOWN TO 0 3

## No. 2,082.—URPETH.

TOWNSHIP OF URPETH, DURHAM.

Sheet 87 of Ordnance Map. Lat.

, Long.

Bored at Urpeth in the West Corner of Mr. Lynn's Easternmost Meadow Field. June 20th, 1768.

Soil and stony clay Rambly metal, with a mixture of clay	1 4	0	Fs. Ft. In.	Brought forward Brown and blue scamy	3	4	0	Fs. Ft. In.
minute of oray				metal, with girdles and catheads	7	2	0	
Carried forward	3 4	0		Carried forward	11	0	0	

## No. 2,082.—URPETH.—CONTINUED.

	n. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 11 0 Blue grey metal 1 5	6	Brought forward 7 1 10 33 2 0 An open gullet, with
Blue grey metal 1 5 Grey post 0 3	3	water 0 1 10
	0	Strong white post 2 3 0
Five-Quarter Seam-		COAL 0 0 4
		Strong white post 0 0 3
COAL 0 3		COAL, or coal pipe 0 0 3
Brown and grey		10 1 6
scamy post 1 8		Strong white post 0 3 0
Grey and brown		Grey metal stone, with
coal pipy post 0 11		water 4 0 0
0 3 1	0	Strong grey metal
	- 18 2 4	stone and strong
	- 10 2 4	girdles 3 3 0
Grey and brown post 0 2	0	White post, with water 3 4 3
Soft blue grey and		Low Main Seam-
320 1112 1110 1111	0	Ft. In.
Grey scamy post, with water 0 4	6	COAL 2 9
water 0 4 Grey metal and metal	0	Blue slaty
stone, with girdles		metal 0 1
	6	COAL, with small scare
Black metal U	6	bands near
COAL - Main Coal		the top 1 5
Seam 0 4	6 _	0 4 3
	- 6 5 0	12 2 6
Grey metal stone 0 1	6	12 2 0
	0 .	Grey metal 0 1 0
Grey thready metal		Grey metal stone and
,	0	post girdle 1 2 0
TITL!	6	Strong white post, with water 4 3 0
	$\frac{0}{6}$	Blue grey metal, with
	7	girdles or lumps 0 5 0
	9	Soft black metal 0 0 4
	3	Hutton Seam- Ft. In.
	- 6 1 1 i	COAL, with
0 11		sulphur or
	3 0	water 4 3 COAL, with
	9	small scare
COAL — Maudlin		bands 0 7
Seam 0 0	7	0 4 10
-	_ 1 5 7	7 4 2
0 13		/ ¥ 2
Grey metal 0 1		Soft blue grey metal 0 0 7
Grey metal stone $\dots$ 1 4 Whin $\dots$ 0 0 1		Grey metal stone 0 0 9
Grey post 0 1		
Whin 0 0	-	
Strong white post,		
with some small		
cashy partings with	0	
water 5 0	0	
		Total 63 5 6
Carried forward 7 1 1	10 33 2 0	Total <u>63 5 6</u>

### No. 2,083.—URPETH.

#### TOWNSHIP OF URPETH, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

An Account of the Strata sunk through in the New Pit at Urpeth Colliery, about 700 yards North of the Engine Pit, near the Beck, by W. Coulson. July 1st, 1835.

Soil	Fs.			Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In Brought forward 6 3 2 29 5 11
Brown sandy clay	1	0	0				COAL, foul, mixed
Quicksand, with water	2	5	10				with metal 0 2 7
Soft swelling blue clay Strong blue clay, with		4					6 5 9
sandy partings	5	4	2				Grey metal 1 1 0
Soft grey metal	0	3	0				Strong white post,
Strong white post COAL, rusty—Five-	3	Т	0				with water (200 gal-
Quarter Seam	0	3	2				lons per minute) 9 0 0 COAL, foul — Low
			-	14	4	2	Main Seam 0 2 10
Soft grey metal, with							10 3 10
iron girdles near the bottom	10	0	0				G 4.7 *43
COAL - Main Coal	10	U	0				Grey metal, with post girdles and water 4 0 0
Seam	0	4	8				Strong white post,
				10	4	8	with water and me- tal partings; water
Grey metal and metal							fell from above 6 0 2
stone, with post	3	3	8				Grey metal 1 1 0
girdles COAL — Maudlin							Hutton Seam—
Seam	0	1	4		L.		Ft. In
	_		_	3	5	0	COAL, good 4 8
Grey post, with water							tom 0 8
COAL	0	0	4				0 5 4
	_			0	4	1	12 0 6
Grey metal	0	1	6				
White post, with water (150 gallons per							
minute)	6	1	8				
			_				
Carried forward	6	3	2	29	5	11	Total 59 4 0

#### No. 2,084.—URPETH.

#### TOWNSHIP OF URPETH, DURHAM.

Sheet 12 of Ordnance Map. Lat.  $54^{\circ}$  52' 54'', Long.  $1^{\circ}$  36' 12''.

A Section of Strata from the High Main Coal to the Hutton Seam in the D Pit, Urpeth Colliery.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Strata from surface 25 5 6	Brought forward 45 4 41
COAL—Five-Quar-	D 11 11111
ter Seam 0 3 6	White post 1 3 10
26 3 0	Blue metal 0 3 0
	Strong white post,
Strata 8 3 9	with water (60 gal-
COAL-Main Coal	lons per minute) 4 1 1
Seam 0 5 1	
9 2 10	Soft blue metal 0 1 0
9 2 10	Low Main Seam (?)—
Dark brown thill 1 0 2	Ft. In.
Black stone 0 1 10	Black stone 0 2
	COAL ·2 0
Grey metal 0 3 0	
Black stone 0 3 5	
Dark blue metal, mixed	7 1 1
with ironstone gir-	White thill 1 2 10
	Blue metal 2 0 5
	Dark brown post 1 2 1
Black stone 0 5 6	The state of the s
Light blue metal, 0 3 10	Strong blue metal,
mixed with iron-	with brown post
stone balls 2 0 4	girdles 1 4 10
COAL, with a little	Strong white post,
. '	mixed with coal
water 0 0 6	1 0 1
<u> </u>	pipes 4 0 4
Dark brown thill 0 1 4	COAL (supposed
Brown post girdle $0   0   10\frac{1}{2}$	Brass Thill Seam) 0 3 2
Blue metal 0 1 6	11 1 8
7	Black stone 0 2 4.
	73
Grey metal 1 1 10	Total Income iii
White post 0 0 2	White post, mixed
Blue metal 0 0 8	with metal partings 5 3 7
Dark brown metal 0 2 3	Post (this contains
	the water) 0 2 3
Supposed Maudlin	Blue metal 0 4 7
Seam Ft. In.	
Black stone,	Hutton Seam- Ft. In.
	COAL 4 9
	COAL, bot-
COAL 1 5	tom 1 4
Black stone,	1 0 1
slaty 0 7	849
0 2 6	Brown thill 0 1 0
$\frac{}{}$ 3 0 $6\frac{1}{3}$	Strong white post 1 4 4
0 0 02	1 5 4
Carried forward 45 4 43	74 5 21
Carried forward 40 4 47	11 0 29

^{*} Approximate sea level (Ordnance datum).

### No. 2,085.—URPETH.

#### TOWNSHIP OF URPETH, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of No. 1 Boring at Low Urpeth, near Chester-le-Street, in the North-West Corner of a Field, and 220 yards South and 67 yards East of Gamekeeper's Cottage. Begun March 19th and finished May 11th, 1844.

Approximate surface level

feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Soil 0 1 0	Brought forward 0 5 7 19 0 0
Sandy gravel 0 5 0	Coal pipe 0 0 1
Blue leafy clay, very	Sandy gravel 0 2 2
pure near the top,	Loamy sand, mixed
with thin beds of	with beds of sandy
sand near the bot-	gravel 1 3 11
tom 10 3 0	2 5 9
Sand, mixed with	To donnate donnate or to a d
small coal        0       3       0         Blue stony clay        0       2       9	Indurated sand, mixed
Blue stony clay 0 2 9	with gravel 1 1 3
Sand, with water	Sand, with water 0 3 6
which rose 4 fms.	Stony clay 0 0 10
up the hole imme-	Broken post 0 0 5
diately 0 0 3	2 0 0
Stony clay 0 1 0	Ironstone balls (four
Leafy clay, mixed with	shifts of four men
sand 0 1 3	each; the metal
Sand, with water (on	pipes rest on this
Friday, March 29th,	stone) 0 0 5
the water was $7\frac{1}{2}$	Grey metal stone, with
fms. from surface,	ironstone balls and
and on Monday,	water 0 4 6
about 2 p.m., ran	COAL, foul 0 0 10
over top of boxes 0 4 9	0 5 9
Sand, much mixed	Grey metal stone 0 5 2
with small coal 0 0 9	COAL, with water 0 0 10
Sand 2 2 9	1 0 0
Loamy sand 0 4 6	Grey metal stone 0 2 0
Stony clay 1 1 6	White and grey post 2 5 2
Leafy sand 0 4 6	Grey metal stone 1 4 2
19 0 0	Black metal 0 0 6
	Hutton Seam- Ft. In.
Brown stony clay 0 0 5	COAL, good 4 8
Black metal or seggar	Band $0   0\frac{1}{2}$
clay 0 0 9	COAL, coarse $0.5\frac{1}{2}$
Rambly post, tumbler	0 5 2
stone 0 0 6	5 5 0
Bluish loamy clay,	Thill 0 0 5
with beds of sand 0 3 3	Grey metal 0 1 2
Sandy gravel 0 0 8	Grey post 0 1 8
	0 3 3
0 110 10 1	
Carried forward 0 5 7 19 0 0	Total 32 1 9

#### No. 2,086.—URPETH.

#### TOWNSHIP OF URPETH, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of a Boring in the Low Main Drift, Urpeth Colliery, from the Low Main to the Hutton Seam. May 12th, 1845.

Approximate surface level feet above sea (Ordnance datum).

	Fs. Ft. In. Fs. Ft. In. 1 0 0	Fs. Ft. In. Fs. Ft. In Brought forward 3 2 0 1 1 0
COAL	0 1 0	Strong grey post, with
	1 1 0	strong partings 1 1 0
Blue metal	0 4 0	Blue metal 0 1 6 Grey post 0 5 6
Grey metal stone, with		Grey post 0 5 6
water		Grey metal 1 1 0
Grey post, with water	0 2 4	6 5 0
Whin		COAL—Hutton Seam 0 1 0
White post, with water		
Blue metal	0 3 0	
Carried forward	3 2 0 1 1 0	Total 8 1 0

#### No. 2,087.—URPETH.

TOWNSHIP OF URPETH, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of Strata sunk through at the Busty Bank Air Shaft at Urpeth Colliery. Finished October 28th, 1871.

Soil        0       1       0         Brown clay and sand       3       0       0         Brown sandstone        4       0       0         Blue metal        1       0       0	Brought forward 8 1 0  COAL 56 Seggar band 0 6 COAL, coarse 1 6
	9 0 6
Carried forward 8 1 0	Carried forward 9 0 6

# No. 2,087.—URPETH.—Continued.

7 110 1		Ft.	In.		Ft.		Fs. Ft. In. Fs. Ft. In.
Brought forward		3	0	9	0	0	Brought forward 10 0 6 52 2 6
Hard seggar	0	1	0				Low Main Seam—
Blue metal	ō	2	ő				COAL 3 0
Grey metal Black shale	0	õ	6				
	ő	2	0				0.041
Seggar Blue metal	6	5	0				COAL 0 10 0 5 1
COAL	ő	1	8				10 5 7
COAL		_		0	0	0	
				9	3	2	Strong posty seggar 0 3 0
Seggar	0	2	4				Strong grey metal 1 2 0
Blue metal	3	3	0				Strong white post,
Grey metal	0	3	6				mixed with whin 1 0 0
Strong jointy grey							Post girdles, with blue
post	1	2	0				metal partings 4 3 6 Blue metal 0 3 6
Strong grey metal	1	1	0				
COAL—5/4 Seam	0	3	6				Hutton Seam- Ft. In.
				7	3	4	COAL 4 4
Samon	0	3	0				COAL, bot-
Seggar	1	5	0				tom, coarse 1 2
Grey jointy post	4	0	0				0 5 6
Strong grey metal Blue metal	0	3	0				8 5 6
Grey post girdle	ŏ	ĭ	ŏ				Strong post thill 0 3 2
Blue metal	1	4	0				Strong grey post 3 0 9
COAL - Main Coal		_	_				Black metal 0 0 2
Seam	0	5	0				COAL 0 1 4
				9	3	0	3 5 5
			_	9	o	U	Black metal 0 0 2
Seggar	0	2	0				Blue metal, with iron
Strong grey metal	1	4	0				boulders 2 5 8
Black stone	0	5	0				Hard grey post 1 2 4
Strong grey metal,			^				Grey metal, with post
posty	3	4	0				girdles 2 1 7
COAL	0	0	8				COAL 0 0 9
				6	3	8	6 4 6
White post	1	1	0				Strong post seggar 0 4 6
Grey post	ō	5	6				Grey post, very hard 4 2 3
Strong white post							Blue metal, with iron-
girdle	0	3	0				stone girdles 3 4 0
COAL	0	1	0				COAL 0 0 6
			_	2	4	6.	<del></del> 8 5 3
D11-41-22	^	0	0	-	r		Seggar thill 0 2 5
Black thill stone	0	2	6				Grey post 0 3 5
Post girdle	0	1	4				Blue metal 0 3 10
White post, with blue	9	0	0				COAL and black
metal partings	2 4	0	6				stone 0 0 10
Strong white post Blue metal	0	0	0				1 4 6
COAL — Maudlin		4	U			(te	Posty seggar 0 1 6
Seam	0	2	0				M*13 1 1 1 1 1
*			,	<b>H</b>	0	,	Strong white post 1 0 6
	-		_	7	2	4	Blue metal 0 0 9
Strong posty seggar	0	4	0				COAL 0 1 9
Strong blue metal		0	0				
Soft blue metal	1	4	6				2 5 7
Strong white post	4	4	0				Seggar clay thill 0 1 10
							Strong seggar and iron
							balls 0 2 3
Carried forward	10	0	6	52	2	6	Carried forward 0 4 1 96 2 10
THE TOTAL TOTAL	10	U	0	02	2	U	Carried forward 0 4 1 90 2 10

### No. 2,087.—URPETH.—CONTINUED.

	Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	0 4 1 96 2 10	Brought forward 106 5 3
Grey metal	2 0 4	Seggar 0 1 10
Grey post and metal		Seggar, with iron
partings		boulders 0 0 10
COAL		COAL 0 0 5
OOAL	5 1 0	0 3 1
a mired with		Douber roomer 0 0 0
Grey post, mixed with	0 1 9	Cross seggar 0 3 0
whin	4 4 0	Grey — 3 1 0 Grey post 1 1 2 Grey metal 0 1 2
Mild post		Grey post 1 1 2
COAL and black		Grey metal 0 1 2
stone		Bustybank Seam-
	2 0 5	Ft. In.
Chang gorgen thill	0 3 5	COAL 2 2
Strong seggar thill		Seggar 1 4
Grey post	0 1 0	
Grey metal	0 4 0	
Towneley Seam -		
Ft. In.		COAL 2 0
COAL 1 0	-	1 0 3
Band 0 1		6 0 7
COAL 1 7	•	Strong posty seggar 0 2 0
Band 0 2		Grey metal and post
CCAL 0 3		girdles 0 2 10
OOAE 0 0	0 3 1	Grey post 2 2 2
	3 1 0	3 1 0
	3 1 0	0 1 0
0 110 1	100 5 0	(0.4.1 310 0.11
Carried forward	106 5 3	Total 116 3 11

### No. 2,088.—USHAW MOOR.

TOWNSHIP OF BROOM, DURHAM.

Sheet 26 of Ordnance Map. Lat.

Long.

Boring on Ushaw Moor, about 150 yards North from Mr. Hobson's Hind's.

March 26th, 1755.

		1	Fs. Ft.	In. Fs.	Ft.	In.
Soil				0		
Clay, with water		1	2 0	9		
Grey and white metal			0 5	0		
Grey and white post	•••		0 3	0		
Grey metal, etc., with water	•••		1 5	6		
Grey post		•••	0 2	3		
Grey metal			2 3	9		
Black metal, with coal	•••		0 1	0		
Grey metal			0 2	9		
	***	_		19	3	0
						_
· Total				19	3	0
20002 111	***			-		

#### No. 2,089.—USHAW MOOR.

TOWNSHIP OF BROOM, DURHAM.

Sheet 26 of Ordnance Map. Lat.

Long.

Account of Boring at Ushaw Moor. Commenced February 13th, 1857.

Approximate surface level feet above sea (Ordnance datum).

Soil 0 1 0	. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In. Brought forward 10 5 7
Vollow clay 0 2 5		Dark metal 0 0 7
Blue stony clay 0 5 3		Grey metal 0 5 9
Yellow freestone 3 1 6		Post, with partings 1 1 6
Dark grey metal 0 1 0		Dark metal 0 0 51
COAL 0 0 8		COAL 0 0 10 ²
	4 5 10	2 3 11
Seggar 0 0 6		Seggar 0 0 7½
Grey metal 1 1 3		Grey metal 1 0 5
Grey metal, with post		Grey metal, with post
girdles 1 5 1		girdles 1 4 7
Dark metal 0 2 3		Blue metal 0 0 6
Dark grey metal 0 5 7		COAL 0 2 3
Grey metal 1 1 7		$\frac{}{}$ 3 2 4 $\frac{1}{2}$
COAL 0 1 6		Seggar $0 \ 0 \ 10\frac{1}{2}$
	5 5 9	Grey metal 1 3 4
		$\frac{}{}$ 1 4 $2\frac{1}{2}$
0 110 1	70 5 5	m / 1
Carried forward	10 5 7	Total $18 \ 3 \ 3\frac{1}{2}$
	J	

### No. 2,090.—USHAW MOOR.

TOWNSHIP OF BROOM, DURHAM.

Sheet 26 of Ordnance Map. Lat.

Long.

Boring at Ushaw Moor, 200 yards North of the Four Lane Ends, on the Left-hand Side of the Lane leading to Ushaw College. March 4th, 1867.

Clay			Fs.	Ft 2	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 13 3 1
Post			5	5	0				Shale 1 5 6
COAL			0	2	5				Post 0 3 0
						7	3	11	Shale 0 0 8
Brown sha	le		0	0	4				Post 0 2 10
Grey shale	103		1	5	4				Black metal 0 0 8
Post			1	1	1				Grey shale, with post
Shale			0	3	0				girdles 3 0 0
Shale stone	e		0	3	0				Post 0 5 6
Shale			1	3	5				Black shale 0 0 4
COAL			0	1	0				
						5	5	2	
	Carrie	d for	war	đ		13	3	1	Carried forward 7 0 6 13 3 1

### No. 2,090.—USHAW MOOR.—CONTINUED.

Brought forward 7 0 6 13 3 1	Brought forward Fs. Ft. In. Fs. Ft. In. 21 0 5
COAL, good Ft. In. 2 2	Strata to the Harvey Seam 25 0 0
mixed with slate 0 8	Strata to the Brock- well Seam 45 0 0
slate 0 8 0 2 10 7 3 4	
Carried forward 21 0 5	Total depth to Brockwell Seam 91 0 5

### No. 2,091.—USHAW MOOR.

TOWNSHIP OF BROOM, DURHAM.

Sheet 26 of Ordnance Map. Lat.

Long.

Strata bored through in the Second Borehole at Ushaw Moor Colliery. December, 1870.

		Fs. Ft	. In	Fg.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Clay		12 3	0				Brought forward 26 4 7
Sand and gravel		1 0	0				Metal stone 2 5 0
Clay		2 3	0				Whin , , 0 1 3
Dry sand		1 4	6				Grey post 0 2 9
Grev metal		1 5	9				COAL 0 1 9
Dark metal		0 0	_				3 4 9
COAL		ŏ ŏ	_				Metal stone 1 1 0
COAL	•••		- 30	19	4.	10	White post 2 0 3
Metal stone		0 3	6	10	Ŧ	10	COAL—Busty Seam 0 3 2
XX71. *	***	0 0					3 4 5
	••	0 2					
Grey post	* * 1						
Grey metal	***	0 4					Dark metal, with
Grey post	•••	1 2					scares of coal 0 1 6
Whin	***	0 1					Metal stone 1 2 0
Grey post	• • •	0 3					Whin 0 1 0
Grey metal		0 1	. 0				Metal stone 3 2 0
Harvey Seam-							COAL 0 1 3
COAL	t. In.						5 2 9
	0 10						Grey post 1 0 0
	0 1						Metal stone 0 2 0
	1 3						Whin 0 0 9
Black metal	0 7						Metal stone 1 3 0
		0 2	9			7	Grev post 1 0 0
				4	1	9	Metal stone 0 4 0
Grey metal		0 5	0				Grey post 4 1 0
COAL		0 (	6				Dark metal 0 2 0
				0	5	6	COAL — Brockwell
Grey metal stone		1 1	. 0				0 9 10
Dark metal		0 3	0				Seam 0 2 10 9 3 7
COAL	***	0 0	6				
				1	4	6	Grey post 0 3 6
Carrie	d for	ward		26	4	7	Total sunk and bored 49 5 7
001110	~ 201					•	

### No. 2,092.—USWORTH.

#### TOWNSHIP OF USWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat.

, Long

Boring at Usworth Place. Begun November 27th, 1815, and ceased February 22nd, 1817.

Fs. Ft. In. Fs. Ft. In.	Fs	Ft.	In.	Fs.	Ft.	In
Boring boxes measured 10 5 0 Brought f	orward 1	5	2	51	1	0
Soft loose sandy post 0 1 0 White post, with	th water 1	3	0			
White post, with metal Strong white	post.					
partings and water 2 4 0 mixed with		1	0			
COAL 0 1 0 Grey and blue		_	Ŭ			
3 0 0 with metal						
Grey metal and metal post girdle						
		2	0			
stone, with whin water						
girdles or lumps and COAL, soft	0	Т	0	7 ~	_	0
water 5 5 0	0	-		15	0	2
Ft. In. Grey metal sto		2	0			
COAL 1 6 Blue metal		3	0			
Grey metal 0 5 Grey metal						
COAL, foul, with girdles		1	0			
with small Blue and black	k metal 0	3	6			
bands and Grey metal sto	ne, with					
water 2 0 girdles	0	4	0			
— 0 3 11 Grey scamy po		4	0			
6 2 11 Grey metal sto						
Blue grey metal 0 4 0 post girdles		2	0			
COAL 0 1 2 Grey metal,			·			
		1	0			
Grey metal stone, with 0 5 2 girdles Black and blue			U			
girdles and water 0 2 0 with lumps		5	0			
	0					
White post, with water 1 0 0 COAL	0	0	3	10	-1	0
Grey metal and metal				12	1	9
stone, with girdles Grey metal sto		2	0			
and water 13 1 0 Strong white			_			
Strong white post, mixed with		2	6			
mixed with whin Grey metal, wi						
and water 0 5 0 girdles	1	1	7			
Grey metal stone, with COAL	0	0	4			
girdles and water 1 5 0 Blue metal, wi	th coal 0	0	5			
Strong white post 0 4 0	_			2	0	10
Grey metal stone 0 3 0 Grey metal	0	2	0			
Strong white post 1 0 0 Strong grey ar						
	2	0	0			
Strong white post 0 2 3 Whin, with sm		. •	·			
Grey and blue metal, partings		2	0			
			2			
		0	8			
water 7 1 8 COAL	0	U	0	=	5	10
Blue metal 0 4 0		-	_	5	9	10
COAL, foul 0 1 0 Blue and grey			^			
29 5 11   with hard lu		3				
Hard girdle or lump 0 0 2 COAL	0	0	10		_	7.0
Grey post 0 3 0	-			2	3	10
Grey metal stone 1 2 0						
				-		
Carried forward 1 5 2 51 1 0 Car	ried forwar	d		89	1	5

### No. 2,092.—USWORTH.—CONTINUED.

		Ft.	In. F			Fs. Ft. In. Fs. Ft. I
Brought forward			8	9 1	. 5	Brought forward 8 5 0 91 3
Grey metal, with hard						COAL 0 0 7
lumps		4	7			8 5
Grey post	0	0	9			Grey metal 0 2 0
Whin	0	0	6			Strong metal stone,
Strong grey post	0	2	0			with girdles 1 0 8
Grey and blue metal,						COAL 0 0 9
mixed with hard	_	_				1 3
lumps or girdles						Soft blue grey metal,
COAL	0	0	9		_	mixed with coal 0 1 8
				2 1	. 7	Grey metal, with whin
Grey metal stone and						girdles or lumps 4 4 4
strong metal stone,						Strong white post 0 3 0
with hard girdles or		^				Whin 0 2 0
lumps			0			White post 5 4 0
Strong white post		1				Black metal, mixed
Whin	0	0	8			with coal 0 0 9
Strong white post	0	1	0			11 3
Blue metal stone		2				Grey metal stone, with
White post	0	1	7			post girdles 0 3 6
Strong whin	U	U	7			Strong white post,
Strong white and grey						
post, with black	1	2	0			Grey metal stone, with
scares Black metal	1					post girdles 0 2 0 Black metal stone.
	U	U	O			,
White and grey metal, with metal stone						
and hard lumps	2	0	9			Grey and blue metal stone 1 0 0
Strong white post,	4	U	ð			
with hard lumps at						Strong white post 0 3 0
bottom	1	1	0			5 5
DO000III	1	T				
Carried forward	8	5	0 9	1 3	0	Total 119 1
Carried 101 ward	G	0		1 0	0	10001 110 1

## No. 2,093.—USWORTH.

### TQWNSHIP OF USWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat.

, Long.

Bored in the Second Hole in Mrs. Shaw's Grounds at Usworth Place.

From surface to stone head 3 3 0 White post 1 0 0 Blue metal stone 3 3 0	Brought forward 8 0 0 Strong white post 4 2 6 Soft blue stone 0 0 10 White post 0 3 4
Carried forward 8 0 0	Carried forward 13 0 8

# No. 2,093.—USWORTH.—CONTINUED.

							1
	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward		0	8				Brought forward 7 2 9 71 0 3
Blue stone			11				Blue and grey metal 0 5 0
White post	0		3				Strong white post 0 1 0
Blue stone	0	1	5				Strong white post,
COAL	0	0	3				with whin 0 1 0
				14	1	6	Strong white post 1 2 0
701 4.1 stone	4	2	0				Blue grey metal 0 5 0
Blue metal stone		1	0				COAL 0 0 6
Black stone	0						10 5 3
COAL	0	0	6	- 4	0	c	Soft blue metal 0 0 6
				4	3	6	
White metal and thilly		_					Strong grey metal
stone	0	2	0				stone 0 4 0
White post	16	5	0				Strong white post 0 5 0
Blue metal	0	4	6				Blue grey metal stone 0 3 0
Blue metal, with scares							Black metal stone 2 1 0
of coal	0	2	0				Grey metal stone, with
Grey metal	1	1	6				post girdles and
Thready grey post							water 1 3 0
and water	2	3	0				Black grey metal 2 0 0
Whin	0	1	0				COAL 0 1 0
Strong white post	1	0	8				7 5 6
Blue and grey metal	_	•					G
stone, with post							Grey metal stone 2 0 0
girdles and water	7	5	0				Blue and black metal 0 3 0
	ó	3	0				Strong grey metal,
Black and blue metal	U	U	U				with hard lumps
Grey metal and post	1	4	4				and water 2 0 0
girdles, with water	1	4	4				COAL 0 0 6
White post, with water	0	4	0				4 3 6
Grey and blue metal,							Black grey metal, with
with post girdles		_	_				coal scares and
and water	2	1	8				
Black and grey metal	0	1	0				The string of th
White post and water	1	0	6				Grey metal and post
Grey and blue metal	0	1	6				girdles 4 3 0
COAL	0	1	0				Strong white and grey
				37	5	8	post     0   5   0
Grey metal	1	1	0.				
	0		10				Grey scamy post, with
COAL	U	U	10	1	1	10	water 0 1 0
Plus anov metal stans				1	T	10	Strong white post 0 4 6
Blue grey metal stone	11	0	0				Grey metal stone, with
and post girdles	TT	0	0				post girdle 0 4 0
Whin, with strong	0	7	^				Strong white post 1 5 0
white post		1	0				Strong blue grey metal
Strong white post	1		6				and lumps .: 3 5 7
Grey metal	0	2	0				Strong white post 0 3 0
Ft. In.							Whin 0 0 9
COAL 0 6							Strong white post 1 3 0
Blue metal 0 1							Strong black grey
COAL, foul,							metal and post gir-
slaty 0 8							dles 0 3 0
	0	1	3				Grey and white post,
	_			12	5	9	
Gray matal	9	1	0				
Grey metal	2	4					Black grey metal
Strong white post	0	3	0				stone and post
Strong grey and blue	0	~	0				girdles 1 3 0
metal stone	3	5	9				18 1 1
Strong white post	0	2	0				
Carried forward	7	. 2	9	71	0	3	Total 112 3 7
Carried for ward	,	-	0	4 1	0	9	10001

### No. 2,094.—USWORTH.

#### TOWNSHIP OF USWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 55′ 7″, Long. 1° 30′ 30″.

Section of Strata sunk through at Usworth Colliery. Begun April 7th, 1845; finished July 22nd, 1847.

Soil and sand			
Strong blue clay	Fs. Ft. In. 1	Fs. Ft. In.	
Strong blue clay	Soil and sand 3 2 0		Brought forward 1 2 0 65 4 8
Loose freestone   2 1 0   O			0
Blue metal	- 0 1 0 1 0		0011
COAL       0   3   0   0   0   0   0   0   0   0			
COAL   Strong grey metal   Strong grey metal   Strong grey metal   Mixed with post and whin girdles   Strong grey metal   Mixed with post and whin girdles   Strong grey metal   Mixed with post and whin girdles   Strong grey metal   Mixed with post and whin girdles   Strong grey metal   Mixed with post and whin girdles   Strong grey metal   Mixed with post and whin girdles   Strong grey metal   Mixed with post and whin girdles   Strong grey metal   Mixed with post and whin girdles   Strong grey metal   Mixed with post and whin girdles   Strong grey metal   Mixed with post and whin girdles   Strong grey metal   Mixed with post and whin girdles   Strong grey metal   Mixed with post and whin girdles   Strong grey metal   Mixed with post and whin girdles   Strong post   Mixed with post and whin girdles   Strong grey metal   Mixed with post and whin girdles   Strong grey metal   Mixed with post and whin girdles   Strong grey metal   Mixed with post and whin girdles   Strong grey metal   Mixed with post and whin girdles   Strong grey metal   Mixed with post and whin girdles   Strong grey metal   Mixed with post and whin girdles   Strong grey metal   Mixed with post and whin girdles   Strong grey metal   Mixed with post and whin girdles   Strong grey metal   Mixed with post and whin girdles   Strong grey metal   Mixed with post   Mixed with post	272110		
Blue and grey metal   6 0 0 0   White post, with   11 2 0   water   0 1 1 0   0   0   0   0   0   0   0	COAL 0 3 0		COAL 1 0
Blue and grey metal   6 0 0 0   White post, with   11 2 0   water   11 0 0   White post, with   11 2 0   water   11 0 0   White post, with   11 2 0   water   11 0 0   White post, with   11 2 0   water   11 0 0   White post, with   11 2 0   water   11 0 0   White post   12 0 0   White post   13 3 0   COAL     White post   13 3 0   COAL     White post   13 3 0   COAL     White post   White po		12 0 0	COAL, slaty 1 2
Strong grey metal		11 0 0	
White post, with { 11 2 0 water { 0 1 0 1 0 } 0 1 0 }         Thill 0 2 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$	Blue and grey metal 6 0 0		
Water       0   1   0			
Blue metal	The second secon	*	
Blue metal	water ( 0 1 0		Strong grey metal,
COAL       0   1   0   0   0   0   0   0   0   0	Blue metal 3 3 0		
Grey metal 0 5 0 0 Soft filtering post 13 3 0 0 Loose metal 0 1 0 0 0 1 0 COAL 0 1 0 0 0 1 0 COAL 0 1 0 0 0 1 0 COAL 0 0 1 0 COAL 0 0 0 3 0 Grey metal 1 0 0 0 0 0 0 0 COAL 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0011		T
Coal	COAL 0 1 0	1	0011
Coal		21 1 0	
Soft filtering post   13			<del></del>
Soft filtering post   13	Grey metal 0 5 0		Post 1 2 0
COAL	Soft filtering post 13 3 0		
COAL          0         1         0         1         0	O F		0041
Post	0011		
Post	COAL 0 1 0		<del></del> 4 1 8
Post	1	5 4 0	Th:11 0 4 0 .
Strong post		.0 1	
Grey metal          2 0 3         Strong post          5 4 0         Blue metal          0 1 0           Blue and grey metal, with iron girdles          8 2 0         Ft. In.         COAL          0 2 11          8 1 11           COAL           1 0 0             0 4 0           White thill           0 4 0           White thill           0 3 0           Strong grey metal          1 4 6 <td< td=""><td>Post 0 3 0</td><td></td><td></td></td<>	Post 0 3 0		
COAL           0         0         3           Blue and grey metal, with iron girdles          8         2         0         Ft. In. COAL          0         2         1         0         2         11         0         0         2         11         0         2         11         0         2         11         0         2         11         0         2         11         0         2         11         0         0         4         0         0         4         0         0         4         0         0         4         0         0         4         0         0         4         0         0         4         0         0         3         0         0         3         0         0         0         3         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	0 13		Strong post 5 4 0
Blue and grey metal, with iron girdles 8 2 0 Grey metal 1 0 0 COAL 1 0 0 Thill 1 0 0 Strong grey metal 0 1 2 COAL 1 0 0 Strong grey metal 1 0 0 Strong grey metal 1 0 0 Strong grey metal 1 0 0 Grey metal 1 0 0 Strong grey metal 1 0 0 Grey		1	
Blue and grey metal, with iron girdles 8 2 0 Grey metal 1 0 0 COAL 1 0 0 Thill 1 0 0 4 0 White thill 0 3 0 Strong grey metal 1 3 6 Grey metal 0 0 1 8 Grey metal 0 0 1 8 Grey metal 0 0 1 8 Grey metal 0 0 1 0 Grey metal 3 0 0 Main Coal Seam—  Grey metal, mixed with post 8 5 0 White post 8 5 0 Whit	COAL 0 0 3		
Silue and grey metal, with iron girdles 8 2 0   Grey metal 1 0 0 0   Grey metal 1 0 0 0   Grey metal 1 0 0 0   Grey metal 0 4 0   Grey metal 1 0 0 0 0 1 0   Grey metal 1 0 0 0 0 1 0   Grey metal 1 0 0 0 0 1 0   Grey metal 1 0 0 0 0 1 0   Grey metal 1 0 0 0 0 1 0   Grey metal 1 0 0 0 0 1 0   Grey metal 1 0 0 0 0 1 0   Grey metal 1 0 0 0 0 1 0   Grey metal 1 0 0 0 0 1 0   Grey metal 1 0 0 0 0 1 0   Grey metal 1 0 0 0 0 1 0   Grey metal 1 0 0 0 0 1 0   Grey metal 1 0 0 0 0 0 0   Grey metal 1 0 0 0 0 0 0   Grey metal 1 0 0 0 0 0   Grey metal 1 0 0 0 0 0   Grey metal 1 0 0 0 0 0 0   Grey metal 1 0 0 0 0   Grey metal 1 1 4 0   Grey metal		2 3 6	0041
with iron girdles 8 2 0       8 2 0         Grey metal 1 0 0       9 2 4         Thill 0 4 0       White thill 0 3 0         Post 0 1 2       1 5 2         Thill 0 2 2       1 5 2         Post 1 0 0       1 3 6         COAL 1 3 6       COAL 0 1 8         Grey metal 5 0 0       COAL 0 2 0         Blue metal 1 3 6       COAL 0 2 0         Grey metal 0 0 1 8       Thill 4 0 0         Grey metal 0 0 10       Thill 4 0 0         Blue metal 0 0 10       Thill 0 0 0         Grey metal 0 0 10       Thill 0 0 0         Grey metal 0 0 0 10       Thill 0 0 0         Grey metal 0 0 0 10       Thill 0 0 10         Black thill 0 3 0       Strong grey metal 5 3 0         Grey metal and post 6 5 0       COAL 0 2 0         Grey metal 5 3 0       Grey metal 5 0 0         Main Coal Seam 0 10       Band 1 4         COAL 2 10       Thill 0 10         Black thill 0 10       Thill 5 3 0         Grey metal search 3 0 0       Thill 3 0	Rlug and grow motal		
COAL			COAL, slaty 1 4
Grey metal        1 0 0 0         COAL        0 0 4         Thill        1 0 0         Post        0 4 0         COAL        0 1 2         Post        0 1 2         Post        0 1 2         Post        1 5 2         Thill        0 2 2         Post        1 3 6         COAL        1 3 6         COAL        1 3 6         COAL        0 1 8         Grey metal        1 3 6         COAL        0 2 0         Thill        1 3 6         COAL        0 2 0         Post, with blue stone partings        3 0 0         Main Coal Seam— Main Coal Seam— Th. In.       COAL          COAL        0 10         Band        1 4         COAL        0 5 0         White post        0 3 0			0 2 11
COAL 0 0 4 0 White thill 0 4 0 White thill 0 3 0 Strong grey metal 1 4 6 Grey metal 5 3 0 Grey metal 5 0 0 Grey metal 12 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Grey metal 1 0 0		
Thill	0041		73. 1 (1.1)
Thill 1 0 0 0 Post 0 4 0 COAL 0 1 2 Thill 0 2 2 Post 1 0 0 Blue metal 1 3 6 COAL 0 1 8  Grey metal 0 4 6 Grey metal 0 0 1 0  Grey metal 0 0 0 10 Grey metal 0 0 0 10 White post 8 5 0		0 9 1	
Post          0         4         0           COAL          0         1         2           Thill          0         2         2           Post           12         0           Post           12         0           Blue metal          1         3         6           COAL          0         1         8           Grey metal           0         2         0           Thill            3         0         0           Fost, with blue stone partings           3         0         0           Main Coal Seam         Ft. In.         COAL          0         10           Band          1         4         COAL          0         5         0           White post          0         3         0         0           0         5         0           0         5         0		0 4 4	
Post COAL         0 4 0 coal 2         Grey metal 5 3 0 coal 6 5 0         Grey metal and post 6 5 0 coal 12 0 coal	Thill 1 0 0		Strong grev metal 1 4 6
COAL        0       1       2         Thill         0       2       2         Post         1       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0        0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0	D 1		
Thill 0 2 2 2 Post 12 0 0 Grey metal 5 0 0 Grey metal 5 0 0 Grey metal 0 2 0 Thill 0 2 0 Thill 4 0 0 Thill 4 0 0 Thill 3 0 0 Main Coal Seam—  Grey metal, mixed with post 8 5 0 White post 8 5 0 White post 8 5 0 White post 8 5 0 Thill 3 0 0 Main Coal Seam—  COAL 0 10 Band 1 4 GOAL 2 10 Thill 3 0 0 Thill 3 0	COM		
Thill 0 2 2 Post 1 0 0 Blue metal 1 3 6 COAL 0 1 8  Grey metal 0 4 6 COAL 0 0 10 Grey metal, mixed with post 8 5 0 White post 8 5 0 White post 8 5 0	COAL 0 1 2		
Post 1 0 0 2 0 8 Blue metal 1 3 6 COAL 0 1 8		1 5 2	
Post 1 0 0 0 Blue metal 1 3 6 COAL 0 2 0 32 3 6 COAL 0 1 8 Ft. In. COAL 0 10 Band 1 4 COAL 0 10 Band 1 4 COAL 0 10 Band 1 4 COAL 2 10 Ft. In. COAL 2 10 Ft.	Thill 0 9 9		Grey metal 5 0 0
Thill   Seam	Dood 1 2 2		
Thill 4 0 0  Post, with blue stone partings 3 0 0  Main Coal Seam—  COAL 0 10  Grey metal, mixed with post 8 5 0  White post 8 5 0  White post 0 3 0			
Grey metal 0 1 8			
Grey metal 0 4 6 COAL 0 0 10 Grey metal, mixed with post 8 5 0 White post 8 5 0 White post 0 3 0	COAL 0 1 8	-	
Grey metal 0 4 6			Post, with blue stone
Grey metal 0 4 6 COAL 0 0 10 Ft. In.  Grey metal, mixed with post 8 5 0 White post 0 3 0   White post 0 3 0   Main Coal Seam—  Ft. In.  COAL 0 10 Band 1 4 COAL 2 10   ——————————————————————————————————		3 1 4	partings 3 0 0
Grey metal, mixed with post 8 5 0 White post 0 3 0 0 5 0 0 5 0 0 5 0	Gray motal 0 4 C		
Grey metal, mixed with post 8 5 0 White post 0 3 0	COM		
Grey metal, mixed with post 8 5 0 White post 0 3 0 Band 1 4 COAL 2 10 7 5 0	0 0 10		2041
Grey metal, mixed with post 8 5 0 White post 0 3 0		0 5 4	
with post 8 5 0 White post 0 3 0	0		111
White post 0 3 0 7 5 0	Grey metal, mixed		COAL 2 10
White post 0 3 0 7 5 0	with post 8 5 0		0 5 0
	White post		
Carried forward 1 2 0 65 4 8   Carried forward 137 5 11	0 3 0		7 0 0
Carried forward 1 2 0 65 4 8 Carried forward 137 5 11	C	- 4 6	0 110 1 100 7 11
	Carried forward 1 2 0 6	5 4 8	Carried forward 137 5 11

^{*} Approximate sea level (Ordnance datum).

# No. 2,094.—USWORTH.—CONTINUED.

To The To To The To	Fs. Ft. In. Fs Ft. In.
Brought forward Fs. Ft. In. Fs. Ft. In. 137 5 11	Brought forward 4 3 0156 3 0
Grey metal, with thin	Blue stone 0 3 0
whin girdles 2 0 0	Low Main Seam—
Thill 2 0 0	Ft. In.
Post 4 4 6	COAL 1 8 Splint 0 5
Grey metal, with thin whin girdles	Splint 0 5 COAL 1 6
whin girdles Ft. In.	COAL, coarse 0 5
COAL 2 10	0 4 0
Splint 0 3	5 4 0
COAL 1 11	Post, with metal part-
Stone 0 2 COAL 0 10	ings 4 3 0
COAL 0 10 1 0 0	Black metal, with
9 4 6	partings 1 3 0 Strong brown whin 0 5 0
Thill 2 2 0	Blue and black metal,
Post girdle 0 2 0	with post and whin
Grey metal 1 1 8 COAL 0 1 4	girdle 1 3 0
COAL 0 1 4	· · · · · · · · · · · · · · · · · ·
Thill 0 2 0	Hutton Seam— Ft. In. Splint 0 4
Post girdles 1 4 4	Splint 0 4 COAL 2 0
COAL, slaty 0 0 8	COAL, coarse,
${1000}$ 2 1 0	or swad 0 4
Grey metal 1 3 0 Post girdles 0 2 0	COAL, slaty
Post girdles 0 2 0 Blue metal 0 2 0	on bottom 0 5
COAL 0 1 7	0 3 1
2 2 7	8 5 1
Thill 0 1 0	Thill 1 0 0
Grey metal 2 4 0 Post 1 4 0	
Post 1 4 0	
Carried forward 4 3 0156 3 0	Total 172 0 1

### No. 2,095.—USWORTH.

TOWNSHIP OF USWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat.

, Long.

Approximate surface level feet above sea (Ordnance datum).

Section of Strata between Low Main and Hutton Seams, also between Hutton Seam and bottom of Sump, at Usworth Colliery.

Thill of the Low Main Fs. Ft. In. Fs. Ft. In. Seam.	Brought forward 1 0 0 Post 2 0 0
Post 0 4 0 Blue metal 0 2 0	Blue metal 0 3 0 COAL 0 0 2
Carried forward 1 0 0	Carried forward 3 3 2

### No. 2,095.—USWORTH.—CONTINUED.

D	1.0		Ft. In. Fs.	Ft. In.	D 110	Fs.	Ft. In.			
	ht forward		3 2		Brought forwa	ard		10	1	2
Black stone	· · · · · · · · · · · · · · · · · · ·	-	2 0		Thill stone	0	5 0			
Post		0	4 6		Blue (iron nodules)	) 2	2 0			
Whin		0	1 0		COAL	0	0 3			
Black stone	e '	0	2 6					3	1	3
Grey metal		1	0 0					o	1.	o
Post		0	2 0		Thill stone	0	1. 0			
Metal		0	2 0		COAL	0	0 6			
Post	•••	0	5 0			-		0	1	6
Whin			3 0		Thill	0	1 3			_
Grey metal			5 0		COAL	0				
Black stone			4 0		COAL	0	0 3	0	-	0
Hutton Sec		-	_					0	1	6
Splint	0 5	•			Thill	0	1 9			
COAL	2 7				Bastard post	2	1 0			
OOAL	2	0	3 0		1			2	2	9
		. 0	10	1 2				_	_	
			10	1 4						
	Carried for	.wond	10	1 2	Total			16	2	2
	Carried 10r	waru	10	1 4	Total	***		10		

### No. 2,096.—WALBOTTLE.

TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in Mr. Robson's Close, Walbottle Royalty, South from Wagonway, being the First Hole in Walbottle. April 10th, 1767.

Soil and sandy clay Blue and black rubbly		3	0	Fs.	Ft.	In.	Brought forward 8 3 0 5 1 0  Ft. In.  COAL, coarse 1 4
clay COAL, foul, with a mixture of metal			0	3	0	0	Blue slate 0 3 COAL, coarse 0 3 Blue greasy
Grey scamy stone, with girdles COAL	2	0	6		1		metal 0 4 COAL, coarse 0 4
Grey metal, with scamy metal, strong girdles and water Grey and white post,	1	5	0.	۵		U	Blue and grey metal, scared with coal at top 0 5 6  COAL, soft foul 0 0 9
with brown scamy partings	6	4	0				Soft grey metal 0 0 4 Soft black metal, with scares of coal 0 1 7
Carried forward	8	3	0	5	1	0	Carried forward 0 1 11 16 0 9

### No. 2,096.—WALBOTTLE.—CONTINUED.

					Ft.		Fs. Ft. In. Fs. Ft. In.
Brought forward	0	1	11	16	0	9	Brought forward 2 0 6 33 0 0
Grey metal, with gir-			_				Grey metal 0 0 6
dles and water		1	0				COAL 0 1 9
Grey metal, with post							2 2 9
girdles		2	0				Grey metal stone 2 4 9
White post			0				Whin mixture 0 1 0
Whin	0	1	3				Grey post 0 1 0
White post	0	2	6				Grey metal stone, with
Whin	0	3	6				girdles or catheads 2 4 0
White post, with blue	;						Black stone 0 4 6
metal partings and							Grey metal stone, with
water		2	0				girdles and catheads,
Grey metal stone, with							together with water
	1	2	0				in some places 5 3 0
White post		5	0				Black grey metal 0 0 6
COAL, with small		_	-				Grey metal stone 0 2 0
danty scames		0	7				Whin 0 0 11
danty seames	_			12	0	9	Black grey metal 0 0 7
Blue metal	0	1	0		v		Grey metal stone 0 4 6
Grey metal stone		2	0				Grey and white post,
COAL, mixed with		4	0				1 1 2 2
	^	0	4				Strong white post, in-
metal	U	U	-32	1	3	4	
C	_	7	_	Т	9	411	
Grey metal			0				Grey post, with gir-
Grey metal stone			6				dles and partings 0 3 0
Whin girdle or lump		0	9				Ft. In.
Grey post	_		6				COAL, slaty 0 4
COAL	0	0	5		_		Black metal,
				3	1	2	with coal 0 2
Grey metal and metal							COAL, splinty
stone, with partings		3	4				near the top 3 8
Whin girdles		0	8				0 4 2
Strong grey metal and							19 4 9
post girdles	1	2	6				Soft blue slaty metal 0 1 6
	_					_	
Carried forward	2	0	6	33	0	0	Total 55 3 0

### No. 2,097.—WALBOTTLE.

TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in the Second Hole, near Walbottle, about 60 yards South-west from Five-mile Stone, Carlisle Road. September 16th, 1767.

Soil and clay Fs. Ft. In. Fs.	Brought forward 5 3 0
Brown and grey rambly post 0 3 0 Brown and grey ram-	Blue and grey metal post, with partings 0 4 6 Black metal, mixed
bly post, with partings 4 0 0	with coal 0 0 9
Carried forward 5 3 0	Carried forward 6 2 3

### No. 2,097.—WALBOTTLE.—CONTINUED.

Fa. Ft. In. Fa. Ft. In.   Fa								
Brought forward Ft. In.  COAL		Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In Fs Ft In
COAL	Brought forward	6	2	3				
COAL								7777 4
Soft blue metal, with scares of coal 0 6								111 111 0 2
with scares of coal 0 6  COAL, slaty 1 0  Grey metal 0 0 0 9  Grey metal stone, with post girdles 2 4 0  COAL 0 1 0  Grey metal stone 2 3 0  Grey metal stone 2 3 0  Grey metal stone 2 3 0  Grey metal stone 3 2 6  COAL, bad, splinty at bot- Ft. In. tom 0 6  Dark grey metal 0 2  COAL, splinty at top 0 9  Dark grey metal 1 3  Blue metal 0 1  COAL, mild, with water 0 3  Grey metal 0 1  Grey metal 0 0 6  Blue and black metal, with coal 1 1 1 6  Grey metal 2 0 0  Grey metal 0 2 0  Blue and black metal, with coal 1 1 3 0  Grey metal 0 2 0 0  Grey metal 0 2 0  Blue metal 0 2 0  Grey metal 0 0 2 0  Blue metal 0 0 2 0  Grey metal 0 0 2 0  Blue metal 0 0 2 0  Grey metal 0 0 2 0  Grey metal 0 0 2 0  Grey metal 0 0 2 0  Blue metal 0 0 2 0  Grey metal 0 0 4 0  Grey metal								
Grey metal     0   6   6   6   6   6   6   6   6   6								
COAL   Slaty   1   0   0   3   1   1   0   0   0   0   0   0   0   0								COAL 0 0 5
Grey metal 0 0 3 1 6 5 4  Grey metal stone, with post girdles 2 4 0 Grey metal stone 3 0 0 Grey post girdles 2 3 0  Grey metal stone 2 3 0 Grey post 0 1 1 6 Grey post and grey metal 2 0 0 0 Grey metal 2 0 0 1 0 Grey metal stone, with water 0 3 0 0 Grey post 0 1 1 6 Grey post 0 1 1 6 Grey post 0 1 1 0 Grey metal 0 1 7 Grey metal with girdles and hard lumps 5 3 0 GOAL 0 1 7 Grey metal stone, with water 0 3 0 Grey metal 0 1 0 Grey metal stone, with water 0 1 0 Grey metal 0 1 0 Gre	02 0000							Grev metal and metal
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Grey metal stone, with post girdles		0	3	-1				0041
Grey metal 0 0 9 9 Grey metal stone, with post girdles 2 4 0 Grey metal stone, with post girdles 2 4 0 Grey metal stone, with girdles 0 1 0 Grey post 0 1 6 Grey post 0 1 6 Whin mixture 0 2 0 Strong grey post, with water 3 2 6 Grey metal 0 1 0 Grey post 0 1 0 Grey post 0 1 0 Grey post, with water 2 5 0 Black grey metal 0 1 0 Grey metal with girdles and hard lumps 5 3 0 Grey metal with water 0 3 0 Grey metal stone, with water 0 3 0 Grey metal stone, with water 0 1 0 Strong white post 0 3 0 Grey metal stone, with water 0 1 0 Grey metal stone 0 1 0 Grey metal stone 0 1 0 Grey metal stone with water 0 1 0 Grey metal stone 0 1 0 Grey metal stone 0 1 0 Grey metal stone with water 0 1 0 Grey metal stone 0 1 0 Grey me					6	5	1.	111 111 1
Grey metal stone, with post girdles   2	Q4-1	0	0		U	0	T	
COAL		U	U	9				Grey metal stone, with
Grey metal stone   2   4   0   0   1   6   0   2   0	Grey metal stone, with							girdles 3 0 0
Grey metal stone 2 3 0  White and grey post, with water 3 2 6  COAL, bad, splinty at bot- Ft. In. tom 0 6  Dark grey metal 0 2  COAL, splinty at top 0 9  Dark grey metal 0 7  COAL 1 3  Blue metal 0 1  COAL, mild, with water 0 3  Grey metal 0 1  COAL, mild, with water 0 3  Grey metal 0 1  Grey metal stone, with water 0 1 0  Strong white post 0 3 0  Grey metal 0 1 0  Grey metal lumps 5 3 0  Black and blue metal 1 0 0  Grey metal stone, with water 0 1 0  Strong white post, with with girdles 2 2 0  Blue metal 0 1 0  Strong white post 0 1 0  Grey metal stone, with water 0 1 0  Strong white post, with whine girdles 2 2 0  Blue metal 0 2 0  Grey metal stone 6 0 0  White post 0 4 0  Blue grey metal 1 3 0  While post, with metal partings and water 1 3 0  White post 0 1 0  Total 7 4 4  Unite post 55 3 10	post girdles	2	4	0				
Grey metal stone 2 3 0  White and grey post, with water 3 2 6  COAL, bad, splinty at bot- Ft. In. tom 0 6  Dark grey metal 0 2  COAL, splinty at top 0 9  Dark grey metal 0 7  COAL 1 3  Blue metal 0 1  COAL, mild, with water 0 3 7  Grey metal 0 1  Grey metal 0 2 0  Grey metal stone 0 2 0  Grey metal 0 0 4 0  Blue metal 0 0 5 0	COAL	0	1	0				Whin mintage
Strong grey post, with water					2	5	9	
White and grey post, with water 3 2 6  COAL, bad, splinty at bot- Ft. In. tom 0 6  Dark grey metal 0 2  COAL, splinty at top 0 9  Dark grey metal 0 7  COAL 1 3  Blue metal 0 1  COAL, mild, with water 0 3  Grey metal 0 1 0  Strong white post 0 3 0  Grey metal lumps 5 3 0  Black and blue metal 1 0 0  Grey metal stone, with water 0 1 0  Strong white post, with whine girdles 2 2 0  Blue metal 0 1 0  Strong white post 0 3 0  Grey metal stone, with water 0 1 0  Strong white post, with whine girdles 2 2 0  Blue metal 0 0 0 2  Grey metal stone 6 0 0  White post 0 4 0  Blue grey metal stone 6 0 0  White post 0 4 0  Blue metal 0 0 4 0  In grey metal 0 1 2  Total	Communication of the communica	9	2	0	Ad	0		
with water 3 2 6  COAL, bad, splinty at bot- Ft. In. tom 0 6  Dark grey metal 0 2  COAL, splinty at top 0 9  Dark grey metal 0 7  COAL 1 3  Blue metal 0 1  COAL, mild, with water 0 3 7  Grey metal 0 1 0  Grey metal stone, with water 0 1 0  Strong white post 0 3 0  Grey metal lumps 5 3 0  Black and blue metal 1 0 0  Grey metal stone, with water 0 1 0  Strong white post, with with girdles and blue metal 1 0 0  Grey metal stone, with water 0 1 0  Strong white post, with whin girdles 2 2 0  Blue metal 0 1 0  Strong white post, with whine girdles 2 2 0  Blue metal 0 0 2 0  COAL 0 1 0  Strong white post, with whine girdles 2 2 0  Blue metal 0 0 2 0  Grey metal stone, with water 0 0 2 0  Grey metal 0 0 2 0  Grey metal 0 0 2 0  Grey metal stone 6 0 0  White post 0 4 0  Blue metal 0 0 4 0  Blue metal 0 0 4 0  Blue metal 0 0 4 0  In grey metal 7 4 4  O 1 2		4	9	U				water 2 5 0
Grey metal								Black grey metal 0 1 0
Whin mixture     0   3   3   3   3   3   4   4   4   4   4	with water	3	2	6				
Strong white post   0   3   0	COAL. bad.							7777
tom 0 6 Dark grey metal 0 2  COAL, splinty at top 0 9 Dark grey metal 0 7 COAL 1 3 Blue metal 0 1  COAL, mild, with water 0 3  Grey metal 0 3 7 Blue and black metal, with coal 1 1 6 Grey metal 2 0 0 Grey metal 0 0 2 0  Grey metal 0 2 0  Grey metal 0 0 2 0  Blue metal 0 2 0  Grey metal 0 0 0 2  Blue metal 0 0 0 2  Grey metal stone 6 0 0  White post 0 4 0  Blue metal 0 0 4  Blue metal 0 0 0 4  COAL 0 0 1  Total 0 1 2  Total 7 4 4  O 1 2								
Dark grey metal 0 2   COAL, splinty at top 0 9   Dark grey metal 0 7   COAL 1 3   Blue metal 0 1   COAL, mild, with water 0 3   O 2 0   Blue metal stone, with water 0 1 0   Strong white post, with whin girdles 2 2 0   Blue metal 0 0 2 0   COAL 0 0 0 2   Strong white post, with whin girdles 2 2 0   Blue metal 0 0 0 2   Strong white post, with whin girdles 2 2 0   Blue metal 0 0 0 2   Strong white post, with whin girdles 2 2 0   Blue metal 0 0 0 2   Strong white post 0 0 0 0 2   Strong white post, with whin girdles 2 2 0   Blue metal 0 0 0 2   Strong white post 0 0 0 2   Strong white post 0 0 0 0 2   Strong white post 0 0 0 0 2   Strong white post 0 0 0 0 0   Strong white post 0 0 0 0 0   Strong white post 0 0 0 0 0 0   Strong white post 0 0 0 0 0 0   Strong white post 0 0 0 0 0 0   Strong white post 0 0 0 0 0 0   Strong white post 0 0 0 0 0 0   Strong white post 0 0 0 0 0 0   Strong white post 0 0 0 0 0 0   Strong white post 0 0 0 0 0 0   Strong white post 0 0 0 0 0 0   Strong white post 0 0 0 0 0 0 0 0   Strong white post 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								1
Grey scamy post 0 3 0   Grey metal, with girdles and lard lumps 5 3 0   Grey metal stone, with water 0 1   Grey metal stone, with water 0 3   Grey metal stone, with water 0 3 0   Grey metal stone, with water 0 1 0   Strong white post, with whin girdles 2 2 0   Grey metal 0 2 0   Grey metal 0 0 2 0   Grey metal 0 0 2 0   Grey metal 0 0 0 2   Grey metal 0 0 0 0   Grey metal 0 0 0 0   Grey metal 0 0 0 0 0   Grey metal stone, with white post, with white post 0 0 0 4   Grey metal stone 6 0 0   Grey metal 0 0 4 0   Grey metal 0 0 4 0   Grey metal 0 0 4   Grey metal 0 0 4   Grey metal 0								COAL 0 1 7
at top 0 9 Dark grey metal 0 7 COAL 1 3 Blue metal 0 1 COAL, mild, with water 0 3  Grey metal 0 2 0 Blue and black metal, with coal 1 1 6 Grey metal 2 0 0 Grey post and grey scamy metal post 3 3 0 Blue grey metal 1 3 0 While post, with metal partings and water 1 3 0 Grey metal and girdles 1 0 4 White post 0 1 0  Grey metal 0 2 0  Grey metal 0 2 0 Grey metal 0 0 0 2  Blue metal 0 2 0 Grey metal stone, with water 0 0 0 2  Blue metal 0 2 0 Grey metal stone 6 0 0 White post stone 6 0 0 White post 0 4 0 Blue metal 0 0 4  COAL, with white sparkles near the top 0 4 0  In grey metal 7 4 4  In grey metal 7 4 4  Total	8-3							8 0 4
at top        0       9         Dark grey metal       0       7         COAL        1       3         Blue metal        0       1         COAL, mild, with water        0       3         with water        0       3       7         Grey metal        0       2       0         Blue and black metal, with coal        1       1       6         Grey metal        1       1       6         Grey metal        2       0       0       2       0         Grey metal         2       0       0       0       2       0         Grey metal         2       0       0       0       2       0         Grey metal         3       0       0       0       2       0       0       0       0       0       2       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       <	COAL, splinty							Grev scamy nost: 0 3 0
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COAL     1   3								
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COAL, mild, with water 0 3								Black and blue metal 1 0 0
with water 0 3         Grey metal 0 2 0       0 3 7       6 3 1       Strong white post, with whin girdles 2 2 0       Blue metal 0 2 0       Blue metal 0 2 0       Blue metal 0 0 2 0       GOAL 0 0 2 0       GOAL 0 0 2 0       GOAL 0 0 2 0       Grey metal 0 2 0       Grey metal stone 6 0 0       White post 0 4 0       Blue metal 0 4 0       Blue metal 0 0 0 4       GOAL, with white sparkles near the top 0 4 0       Total 7 4 4       In grey metal 7 55 3 10								Grey metal stone, with
with water 0 3         Grey metal 0 2 0       0 2 0       6 3 1       Strong white post, with whin girdles 2 2 0       Blue metal 0 2 0       Blue metal 0 2 0       Blue metal 0 2 0       GCOAL 0 0 2       9 5 2         Blue metal 0 2 0       Grey metal 0 2 0       Grey metal stone 6 0 0       Grey metal stone 6 0 0       White post 0 4 0       Blue metal 0 0 4 0       Blue metal 0 0 4       COAL, with white sparkles near the top 0 4 0         While post, with metal partings and water 1 3 0       Grey metal and girdles 1 0 4       In grey metal 0 1 2       7 4 4       4         White post 0 1 0       Total								
Grey metal 0 2 0  Blue and black metal, with coal 1 1 6 Grey metal 2 0 0 Grey metal 2 0 0 Grey metal 3 3 0 Blue grey metal 1 3 0 While post, with metal partings and water 1 3 0 Grey metal and girdles 1 0 4 White post 0 1 0  White post 0 1 0  Total  With whin girdles 2 2 0 Blue metal 0 2 0 Grey metal stone 6 0 0 White post 0 4 0 Blue metal 0 4 0 Blue metal 0 0 4  COAL, with white sparkles near the top 0 4 0 In grey metal 7 4 4  In grey metal 7 5 3 10	with water 0 3							
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Grey metal         0         2         0           Blue and black metal, with coal         1         1         6           Grey metal         2         0         0         2         0           Grey metal         3         3         0         Blue metal stone         6         0         0           Grey post and grey seamy metal post         3         3         0         Blue metal         0         0         4           While post, with metal partings and water partings and water 1         3         0         0         4         0         4           Grey metal and girdles of the post         0         0         0         4         0         1         2         0         1         2         0         1         2         0         0         4         0         1         2         0         1         2         0         1         2         0         0         2         0         0         0         4         0         1         2         0         1         2         0         1         2         0         1         2         0         1         2         0         1         2         <					6	2	1	
Blue and black metal, with coal 1 1 6   Grey metal 2 0 0   Grey metal stone 6 0 0   Grey metal stone 6 0 0   White post 0 4 0   Blue metal 0 0 4 0   Blue metal 0 0 0 4	C	0	0	0		U	•	
with coal       1       1       6         Grey metal       2       0       0         Grey post and grey scamy metal post       3       3       0         Blue grey metal stone       6       0       0         White post       0       4       0         White post, with metal partings and water 1       3       0       3         Grey metal and girdles 1       0       4       4         White post       0       1       0       4         White post       0       1       0       1       2         Total       0       1       2       3       10		U	2	U				COAL 0 0 2
Grey metal       2       0       0       Grey metal stone       6       0       0       0       6       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       1       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0 <t< td=""><td></td><td></td><td>_</td><td>_</td><td></td><td></td><td></td><td> 9 5 2</td></t<>			_	_				9 5 2
Grey metal 2 0 0   Grey metal stone 6 0 0   White post 0 4 0   Blue grey metal 1 3 0   Blue grey metal 1 3 0   Blue metal 0 0 4   COAL, with white post, with metal partings and water 1 3 0   Grey metal and girdles 1 0 4   White post 0 1 0   In grey metal   Total   Tot	with coal		1	6				Discounted 0 9 0
Grey post and grey scamy metal post 3 3 0 White post, with metal partings and water 1 3 0 Grey metal and girdles 1 0 4 White post 0 1 0 Total T	Grev metal	2	0	0				
Scamy metal post 3 3 0 Blue grey metal 1 3 0 While post, with metal partings and water 1 3 0 Grey metal and girdles 1 0 4 White post 0 1 0  White post 0 4 0 Blue metal 0 0 4 COAL, with white sparkles near the top 0 4 0 In grey metal 7 4 4 In grey metal 55 3 10								
Blue grey metal 1 3 0 While post, with metal partings and water 1 3 0 Grey metal and girdles 1 0 4 White post 0 1 0  Halle metal 0 0 4  COAL, with white sparkles near the top 0 4 0 In grey metal 7 4 4  In grey metal 7 55 3 10		3	3	0				White post 0 4 0
White post 0 1 0  White post 0 1 0  COAL, with white sparkles near the top 0 4 0  In grey metal 7 4 4  White post 0 1 0								Blue metal 0 0 4
partings and water 1 3 0 Grey metal and girdles 1 0 4 White post 0 1 0  sparkles near the top 0 4 0 7 4 4 In grey metal 7 4 4 Total		T	3	U				
Grey metal and girdles 1 0 4 White post 0 1 0  In grey metal 7 4 4  Unite post 0 1 0  Total	While post, with metal							
Grey metal and girdles $\begin{array}{cccccccccccccccccccccccccccccccccccc$	partings and water	1	3	0				
White post 0 1 0	Grey metal and girdles	1	0	4				
Total 55 3 10								In grey metal 0 1 2
Carried forward 11 1 10 16 2 2 Total <u>55 3 10</u>		_			1.000			
Carried forward 11 1 10 10 2 2	Counted forms	11	1	10	10	2	9	Total 55 3 10
	Carried forward	11	1	10	10	4	4	

### No. 2,098.—WALBOTTLE.

TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND..

Sheet 96 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in the Third Hole, near the top of Mill Dam Corner, near the Gin Horse Stables, Walbottle Colliery. January 19th, 1768.

Fs. Ft. In. Fs. Ft. In. Soil and gravelly clay 1 1 6	Brought forward Fs. Ft. In. Fs. Ft. In. White and grey post, with partings and water 1 0 0
Carried forward 1 1 6	Carried forward 2 1 6

# No. 2,098.—WALBOTTLE.—Continued.

	Fs.	Ft.	In.	Fs.	Ft. 1	n.	•	Fs.	Ft.	In.	Fs.	Ft.	In.
Dunaht fanward	2	1	6				Brought forward	2	5	Ω	27	3	0
Brought forward		2	ő				Grey scamy stone			9		J	U
Grey metal	0	4	U						1				
Grey metal stone and	1	0	c				COAL	U	1	4			
post girdles	1	0	6								3	1	1
White post, with													
rambly partings and			_				Grey metal and metal						
water	3	1	8				stone	1	3	0			
Strong white post	0	4	0				White and grey post,						
Grev rambly stone	0	1	0				with partings and						
								0	2	6			
Ft. In.							strong white post,		_	•			
COAL 0 6							with partings and						
COAL, foul,							1	4	1	6			
mixed with										_			
metal 0 3							Whin mixture	0	3	O			
COAL 0 7							Strong white post and						
	0	-	4				water, with a mix-						
Antanaanin	0	1	4				ture of whin in						
				8	0	0	various places	5	2	0			
D1	7	0	0				COAL	0	0	6			
Blue grey metal	1	0	0								12	0	6
Black metal, mixed		_	_								14	0	U
with coal	0	0	9				Grey metal	0	0	9			
Grey metal	0	4	6				Grey metal stone,						
Grey metal stone	0	4	0				with post girdles	0	5	6			
Whin girdle	0	1	0				Whin mixture	0	2	ŏ			
Grey metal, with								.0	5	3			
girdles	1	1	0				Blue and grey metal	U	U	U			
Jet, mixed with coal	0	ō	4				Blue metal stone and	1	~	9			
	í	ő	6				post girdles	1	5	3			
Grey metal		3	0				Ft. In.						
Strong white post	0	9	U				COAL 2 7						
Grey metal and metal	_		_				Grey metal 0 2						
stone, with partings	2	3	0				COAL, foul						
Blue grey metal	0	5	6										
Grey metal stone, with							and brassy at						
strong post girdles	5	5	6				bottom 0 7						
Grey metal and metal								0	3	4			
stone, with water	0	3	6								4	4	1
Whin girdle	0	0	6				·				4	4	1
Blue metal, with water	ĭ	Õ	Ö				Blue grey metal	0	5	6			
	1	J	0				COAL, foul at bot-						
White post, with	1	1	6				tom	0	0	8			
water	1	1	U					-	v	J	_	_	0
Strong white post,	0	1	C							-	1	0	2
with whin	0	1	6				D1 ( 1	-	^	0			
White and grey post,		_					Blue metal	1	0	9			
with water	0	5	3				Grey post	0	2	9			
COAL, with a brassy							Blue metal	0	1	3			
girdle or lump in							COAL, rather coarse						
middle ,	0	3	8				at bottom	0	3	5			
				10	9	0					9	9	9
				19	3	U	T.,				2	2	$\frac{2}{0}$
Grey metal	0	1	0				In grey metal				0	1	U
Grey metal stone and													
post girdle	0	4	0										
Grey and white nest													
Grey and white post,													
with whin girdle	2	Ω	0										
and water	4	0	U										
													-
Carried forward	2	5	0	27	3	0	Total				51	0	0
Carried forward	4	U	0	21	U	U	20001			-			

#### No. 2,099.—WALBOTTLE.

#### TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet of Ordnance Map. Lat. , Long.

#### Fourth Place at Walbottle Colliery.

Approximate surface level feet above sea (Ordnance datum).

Soil and sand	Fs. Ft. In. Fs. Ft. In. 0 4 6	Brought forward 8 2 6
Grey rambly stone Sandy channel Grey metal stone Strong grey post Whin	0 3 0 0 0 6 4 0 0 0 4 6 0 1 6	Grey metal stone and post girdles 1 4 5  COAL 1 4  Brass lump or band 0 1
	0 1 6 1 2 0 0 1 0 0 2 0	COAL 2 2 0 3 7 10 4 6 In grey metal 0 1 6
Carried forward	8 2 6	Total <u>11 0 0</u>

### No. 2,100.—WALBOTTLE.

#### TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

Strata sunk through in the Union Pit, from the Engine Seam to the Splint Seam, Walbottle Colliery. 1810.

Thill	Fs. Ft. In. 0 2 10	Fs. Ft. In.	Fs. Ft. In. Fs. Ft. Brought forward 6 3	In. 9
Strong white post			Thill 0 3 0	
COAL-Hodge Seam	0 0 2		Strong white post 0 3 6	
or Cannel Coal	0 1 8		Whin 0 1 6	
		1 3 8	Strong grey and white	
Thill	0 5 0	1 0 0	post 0 4 4	
White and grey post			COAL 0 0 5	
Strong white post	0 2 10		Thill 0 3 2	
Whin	0 0 0		Blue stone 1 0 8	
Strong white post	0 5 7		COAL-3/4 Seam 0 2 2	
Blue stone	0 0 2		4 0	9
COAL	0 1 6		Strong grey post 0 5 0	
		5 0 1	COAL 0 0 5	
				_
Carried for	ward	6 3 9	Carried forward 0 5 5 10 4	6
			T)	

### No. 2,100.—WALBOTTLE.—Continued.

Brought forward		Ft.		Fs. 10	Ft.	In. 6	Fs. Ft. In. Fs. Ft. In Brought forward 19 3 1	
Strong thill	0		4	10	-20	U	Blue stone 0 0 3	
Blue stone, mixed with	U	70	-				COAL 0 0 6	
whin	3	5	6				Thill 0 3 2	
Blue stone	0	2	0				Strong grey post (lost	
COAL — Main Coal	U	-	·				the water) 1 0 4	
~	0	3	5				Blue stone (found the	
Seam	U	U	U	6	2	8	water) 2 2 6	
Thill	_	2	6	U	2	O	Grey post 1 0 6	
0041	0	ő	3				Blue stone, with whin 1 4 3	
COAL	U	U	o	0	2	9		
rm1 *11	_	0	-	U	4	9		
Thill	0	3	2				Strong grey post 1 0 4 Whin 0 2 5	
Black jointy stone,	_	_	•					
mixed with coal	0	_	6				arej pose in in a	
Whin	0	1	2				Blue stone, mixed with	
Strong grey post	0	0	6				post 0 3 6	
Blue stone	0	2	2				COAL, splinty 0 3 8	
COAL	0	1	6				<u> </u>	7
	_			2	0	0		
Carried for	war	d		19	3	11	Total 30 0	6

### No. 2,101.—WALBOTTLE.

TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet of Ordnance Map. Lat. , Loug.

Account of Strata sunk through in the Wellington Pit, Newburn Winning, Walbottle
Colliery.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In	
Soil and broken free-							Brought forward 3 0 10 8 0 5	5
stone	0	3	6				Strong white post 1 1 0	
Broken freestone	2	0	2				Strong white post,	
Strong freestone, with							with spars 1 2 8	
strong scares of post	2	1	10				Whin 0 1 2	
COAL							White post girdle 0 2 0	
				4	5	11	Strong grey post,	
Thill	0	3	2				mixed with whin 0 2 2	
Strong dun freestone,							Strong white post,	
with water	0	2	10				mixed with scares	
Grev and white post,							of coal 0 5 4	
with partings	1	5	8				Grove Seam- Ft. In.	
COAL							COAL 2 0	
				3	0	6	Blue stone 1 2	
Thill	0	3	4				COAL, mixed	
Grey shivery post, with							with stone 0 11	
partings	1	2	0				0 4 1	
Strong grey post gir-							8 1 3	
dles, with partings	1	1	6				Thill 0 3 0	
Carried forward	3	0	10	8	0	5	Carried forward 0 3 0 16 1 8	

# No. 2,101.—WALBOTTLE.—Continued.

			In.	Fs. I			Fs. Ft. In. Fs. Ft. In.
Brought forward		3	0 1	16	1	8	Brought forward 10 2 2 53 2 0 COAL 0 0 4
Blue stone, with whin		3	2	- 19			COAL 0 0 4 10 2 6
Blue stone, with post	•	0	6				mr.:11
girdles Strong white post		U	O				000
. 11	- 1	4	4				COAL
girdles Whin	_	2	0				Strong grey post 1 1 8
Whin Grey shivery post		ī					Blue stone, mixed
White post girdles		0	6				with post girdles
Strong grey post		U	U				and water 1 2 2
mixed with whin		5	8				COAL-3/4 Seam 0 1 11
Strong grey post, with			Ü				2 5 9
partings	- 1	1	6				Strong grey thill 0 4 8
Whin	0	ō					COAL 005
Blue stone	par .	4	0				0 5 1
Green post	_	5	4				Thill 0 2 0
Ft. In		-	-				Grey post 0 3 6
COAL 0 7							COAL 0 0 7
Blue stone 2							1 0 1
COAL 1 (							Thill 0 1 0
	. 0	4	4	10	,	0	Strong grey post 2 3 0
C1	7	0		18	1	0	Grey post, with leaves of blue stone and
Strong grey thill	- 1	2	2				
Blue stone	- 4	0	0 6				water 1 2 6
Strong grey post	^	0					COAL - Main Coal 0 3 1
Whin		2	0				4 3 7
Blue stone		U	U				Thill 0 2 0
Blue stone, with iron	^	3	0				COAL 003
Blue stone	^	3	0				Strong grey post 0 2 6
(17) *11	^	2	6				7771
α .	_	3	4				0.00
Strong grey post		U	-20				23.00
mixed with whin		0	2				
Whin	^	2	6				Strong grey post 0 3 1 Blue stone, with post
Grey post	-	3	6				
COAL	^	0	7				0 1 6
				11	5	3	2 5 10
Thill	. 0	2	0				Blue stone 0 0 4
Blue stone	^	5	0				COAL 0 0 6
COAL	0	0	5				0 0 10
				1	1	5	Thill 0 3 8
Blue stone	. 0	3	2				Strong grey post,
Whin	. 0	2	0				mixed with whin 0 3 0
Blue stone, with scare							Blue stone 2 0 6
of post		3	8				Strong black stone
COAL—Engine Sear	n = 0	3	10				girdle 0 0 10
	_	_	_	3	0	8	Thill 0 2 8
Strong grey thill	. 0	1	4				Strong grey metal
Strong white post		1	ō				stone 1 0 2
COAL-Hodge Sean		î	8				Strong grey stone 1 0 4
				2	4	0	Whin 0 1 6
Thill	. 0	3	2				Strong grey post, with
T01 /	_	3	6				partings 1 0 b
		0	0				Blue stone, with thin
Coarse open grained		2	6				post girdles 0 4 0
post, with parting		2	U				COAL—Splint Seam 0 4 0
Coarse open grained post, without part	•						1 2 0
ings	. 7	5	0				Sump 1 5 0
••••							Oh 4 0
Carried forward	10	2	2	53	2	0	Total 87 4 0
0411104 201 114114		_	_	-	_	•	

### No. 2,102.—WALBOTTLE.

#### TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

, Long.

Account of Strata bored through, about 150 yards North-west of the Red Cow Public House, Walbottle Colliery. April 18th, 1818.

Approximate surface level feet above sea (Ordnance datum).

To . Dt T., To . Th T.,	To Th T. 72 Th T
Fs. Ft. In. Fs. Ft. In. Soil and clay 1 0 4	Brought forward 8 2 8 5 3 7
Mild blue stone 0 5 7	Strong white post 1 1 2
Grey mixture stone 0 4 10	Strong white post 1 1 2 Whin 0 1 2
White and grey post.	White post, with part-
White and grey post, with partings 1 2 9	ings 5 0 0
Blue stone, mixed	Blue stone 0 0 4
with pieces of post 1 1 6	Blue stone 0 0 4 Strong white post 1 1 4
with pieces of post 1 1 6 COAL 0 0 7	Mild grey post, with
5 3 7	cashy partings 0 4 8 Strong white post 2 4 8
Thill 0 1 4	Strong white post 2 4 8
White post, with part-	Strong white post,
ings 0 6 9	with partings 1 0 2
Whin 0 1 0	Strong white post,
Grey mixture post 2 3 0	mixed with whin 0 3 10
Cashy partings 0 0 7	Grey post, with part-
Grey post 1 1 4	ings 1 4 4
Strong white post 0 5 2	Strong grey post,
Whin 0 3 8	mixed with whin 1 5 0
High   High	24 5 4
Whin 0 0 6	
Carried forward 8 2 8 5 3 7	Total 30 2 11
Carried forward 6 2 6 5 5 7	Total 30 2 11

### No. 2,103.—WALBOTTLE.

### TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat.

, Long.

Account of Strata bored through on Butterlaw Farm, Wallottle Colliery. 1828. First Hole.

Approximate surface level

feet above sea (Ordnance datum).

Blue clay Thill COAL	***	•••		***	***	•••	7	Ft. 4 0 5	8	Fs. 8	Ft.	In. 2
			Total		***	•••		•••		8	4	2

# No. 2,104.—WALBOTTLE.

#### TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 88 of Ordnance Map.	Lat.	, Long.
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#### Second Hole.

Approxim	level	feet above sea (Ordnance datum).										
Blue clay							Fs.	Ft.	In.	Fs.	Ft.	In.
Gravel and sa	nd		•••		•••		0	4	0			
Blue clay		•••	•••		•••		9	5	9			
Thill			•••				0	0	6			
White post	•••	•••	***	•••		•••	0	3	8			
COAL	•••	•••	***	•••	***	***	0	0	3			
White post	•••	•••	•••	•••	•••	•••	0	0	4 2			
Thill	•••	•••	•••	***	•••		0	0	9			
	•••	•••	***	•••	•••	•••	_			13	2	5
										_		_
			Total							13	2	5

# No. 2,105.—WALBOTTLE.

#### TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 88 of Ordnance Map.	Lat.	, Long.
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#### Third Hole.

Approximate surface level	feet above sea	(Ordnance datum).
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Blue clay		•••		 •••	 Fs. 10	Ft.	In. 9	Fs.	Ft.	In.	
White post		***		 •••	 0	1	1				
COAL				 ***	 0	0	1				
Thill				 	 0	0	6				
White post	***	• • •		 	 0	0	5				
Grey metal		•••		 	 0	0	6				
Grey post		•••	***	 144	 0	5	2				
					_		_	11	3	6	
			Total	 				11	3	6	

### No. 2,106.—WALBOTTLE.

#### TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 88 of Ordnance	Map.	Lat.	Long.
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#### Fourth Hole. In First Pasture Field East of the House, Butterlaw.

Approximate surface level	feet above sea (Ordnance datum).
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Blue clay	•••	•	•••	•••	 	Fs. Ft. In. Fs. Ft. In. 9 4 0 0 1 2 0 0 7
						9 5 9

# No. 2,107.—WALBOTTLE.

TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 55° 0' 3", Long. 1° 43' 19".

Sunk in the Coronation Pit, Walbottle Colliery.

Soil and clay	Fs. F		Fs. Ft. In.	Brought forward 3 0 2 2 5 10
Brown freestone	0 4	0		Blue stone 1 2 1
Brown post	0 4	6		COAL 0 0 3
Blue stone	0 4	0		4 2 6
Black stone	0 (	5		
COAL		) 5		Grey post 1 2 6
			2 5 10	Blue stone 1 0 0
			2 5 10	Dark grey post 6 4 0
White post, with part-				Grey post, with part-
ings				ings 0 2 10
Black stone	0 1			Whin 1 1 6
Thill	0 (	8 (		Grey post, with part-
Whin	0 1	l 6		ings 0 3 10
G : 10 1	-		0 7 10	0 110 11100 704
Carried forward	3 (	2	2 5 10	Carried forward 11 2 8 7 2 4

# No. 2,107.—WALBOTTLE.—Continued.

	Fs.	Ft. In.		Ft. In	ì.		Fs.	Ft.	In.	Fs.	Ft. In.
Brought forward	11	2 8	7	2 4	4	Brought forward	2	5	11	50	5 4
70	1	5 6				White post	_		3		
Brown post	_	1 6						0	3		
Grey shivery post	0	T O				COAL	U	U	9		
Grey metal, mixed										3	5 5
with coal	1	2 6								•	0
White post, with water	6	3 6				Thill	0	3	0		
	ĭ	3 0				Strong grey metal,					
Grey metal						with scares of post	2	1	3		
Post, with water	0	4 0				With scares of post					
Blue stone, with post						Whin	0	0	9		
girdles	2	0 6				Grey post, with whin					
****	0	5 0				girdles	0	5	3		
	U	0 0				COAL	0	2	0		
Post girdles and grey						COAL	U	2	U		
metal stone	0	3 4								4	0 3
white post	0	4 0				(T) +11	_				
COAL-Grove Seam	0	2 4				Thill	0	1	0		
COAL - Grove Scame					_	Post girdles	0	1	4		
			28	1 10	0	Grey metal, with post					
	^	0 0					1	4	6		
Thill	0	0 6									
Grey metal stone, with						Whin	0	0	8		
post girdles	0	2 6				Grey metal, with					
		0 6				seares of post	0	1	6		
COAL, coarse	U	0 0				Blue stone, mixed					
			0	3 (	6	*19 * 1	0	4	0		
						with ironstone	0	4	6		
Thill	0	0 6				Black stone	0	3	6		
Blue metal, with iron-						Grey post	1	0	0		
stone balls	2	1 0				Whin	õ	2	4		
		1 0				α .	_				
Grey metal, with scares	_					Grey post	1	3	8		
of post	2	1 4				Whin	0	1	8		
Green post, with much						COAL	0	0	3		
	5	1 6					•	_	_		
		0 2					_			7	0 11
COAL	0	0 4				Thill	Ω	9	0		
			9	4 (	в		0	2	8		
			U	T (		Grey post	1	4	0		
Thill	0	0 5				Blue metal, with iron-					
COAL	0	0 3				stone	1	3	9		
	•		_			0041	0		_		
			0	0 8	8	COAL	U	U	6		
/D1 *11	^	0 0		• `						3	4 11
Thill		0 8				Grey metal stone, with				•	
Blue stone	0	0 2					0	-	1-7		
Grey metal stone	0	4 6				post girdles	0	5	7		
Grey post, with water	1	5 0				Blue stone, with scares					
Plus motel wined	_	0 0				of post	2	1	0		
Blue metal, mixed						COAL-Engine Seam			11		
with balls of iron-						23.30.00000		9			
stone	0	3 0								3	4 6
COAL	0	2 11				C4	0	-			
	-		_		0	Strong grey thill	0	1	4		
	_		3	4 :	3	Strong white post	2	1	0		
Chara matal	0	0 0				COAL—Hodge Seam		1	8		
Grey metal		0 6				Con-	•	-	0		
Grav post	0	0 5					_			2	4 0
Grey post {-	0	4 7		*							
						Thill	0	3	2		
COAL	0	0 9	_	0		Blue stone	0	3	6		
	-		1	0	3			_			
Thill	0	0.10				Coarse open-grained	0	7	0		
70.0	0	0 10				post, with partings		1	6		
Blue metal, with iron-						COAL	0	0	4		
stone	0	5 0								10	9 0
Green post	0	4 4					_			10	2 6
¥¥77 °	1	1 9									
whin	T	1 9									
					_						
Carried forward	2	5 11	50	5	4	Carried for	Won	d		86	3 10
Carried for ward	-	0 11	90	0	- TE	Carried 10t	11 (1)	C.		30	3 10

^{*} Approximate sea level (Ordnance datum).

# No. 2,107.—WALBOTTLE.—CONTINUED.

	Fg.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward				86	3	10	Brought forward 1 4 3 97 2 6
	0	5	9		•		
Thill							Strong grey post 1 0 1
COAL	0	0	2				COAL 0 1 6
				0	5	11	9 7 10
	_	_	_				2 5 10
Strong grey post	1	1	8				Blue stone 0 0 4
Blue stone, with post							0.041
girdles	1	2	2				COAL 0 0 6
							0 0 10
COAL-3/4 Seam	0	1	TT	_	_	_	
				2	5	9	Thill 0 3 8
C1 41:11	0	4	0				Blue stone 2 3 6
Strong grey thill	0		8				
COAL	0	0	5				Strong black stone
	_			0	5	1	girdle 0 0 10
		_	_				Thill 0 2 8
Thill	0	2 3 0	0				Strong grey metal
Grey post	0	3	6				
COAL	0	0	7				stone 1 0 2
COAL	0	•	•	1	0	1	Strong grey post 1 0 4
				T	0	1	Whin 0 1 6
Thill	0	1	Ω				Strong grey post, with
	_		c				
Strong grey post		5					partings 1 4 6
COAL — Main Coal	0	3	1				Blue stone, with thin
				4	3	7	post girdles 0 4 0
PRI 444	_	_	_				COAL, splint—
Thill	0		0				
COAL	0	0	3				Brockwell Seam 0 4 6
		-		0	2	3	9 1 8
				0	4	9	9 1 0
Strong grey post	0	3	6				
		0	9				
Black stone	1.	U	0				
		-	_		-	_	TTS 1 2
Carried forward	1	4	3	97	2	6	Total 109 4 10
ATT.	1	1:1	: - E	E1 1	C_ 11		aborra high water manle

This pit is 55½ fathoms above high water mark.

# No. 2,108.—WALBOTTLE.

TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet of Ordnance Map. Lat. , Long.

An Account of Strata sunk through at Walbottle Colliery, by Thomas Maddison.

May 15th, 1828.

Soil		Ft. I		ß. :	Ft.	In.	Fs. Ft. In. Fs. Ft. In Brought forward 7 0 2	
Gravel, with water Strong white post,	0	3	6				Fire clay 0 2 1 Grey metal stone, with	
with water	5	2	4				girdles 2 0 9	
COAL, coarse	0	3	2				Dark grey whin 0 5 3	
			-	7	0	2	Fine blue metal stone,	
							with ironstone gir-	
							dles 11 0 9 14 2 10	)
Carried for	ward			7	0	2	Total 21 3 0	)

#### No. 2,109.—WALDRIDGE.

### TOWNSHIP OF WALDRIDGE, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Account of Strata bored through near the Burn si le, about 100 yards below the Hazel Cross, on the North extremity of Waldridge Common, by W. Wake. 1776.

Fs. Ft. In. Fs. Ft. In.	Brought forward Fs. Ft. In. Fs. Ft. In.
water 0 3 4	Grey metal stone, with
Brown and grey rambly stone 0 2 8	iron girdles and
rambly stone 0 2 8 Brown and grey post,	water 5 3 0
with soft scamy	White and grey post and water 0 5 4
partings and water 3 0 0	Grey scamy post, with
Brown and grey	partings and water 1 5 0
rambly stone 0 3 0	White and grey post,
Brown post, with scamy partings 0 4 6	with coal pipes 1 4 0
Brown and grey	Blue and grey metal 0 0 9
rambly stone 0 3 6	Ft. In.
Brown and grey post,	COAL 2 6)
with soft scamy partings, open gul-	Black band,
lets, and water 4 4 0	scared with
Brown and grey post,	coal   0 3   *   COAL   1 0
with coal pipes and	Grey band 0 2
water 3 1 6	COAL, foul 1 5)
COAL 1 9	0 5 4
Scare band 0 1	10 5 5
COAL 1 0	
0 2 10	Grey metal 0 2 0
14 1 4	In grey metal stone 0 2 0
Grev thill 0 2 0	0 4 0
Grey and blue metal	
stone, with post	
girdles and water 2 3 0	
Black and grey metal 0 0 9	
COAL 1 11	
Black stone and	
coal 0 8	
0 2 7	
3 2 4	
·	
Carried forward 17 3 8	Total 29 1 1
00011001100100100100	

^{*} Supposed to be the Hutton Seam, but not in perfection.

# No. 2,110.—WALDRIDGE.

#### TOWNSHIP OF WALDRIDGE, DURHAM.

Sheet 20 of Ordnance Map. Lat.

Long.

Bored near the Burn side, about 180 yards below the Durham Road, on the South extremity of Waldridge Common, and joining Chester South Moor. 1776.

Approximate surface level feet above sea (Ordnance datum).

Rods measured 36 3 5 Grey metal 0 1 6 Grey metal stone 0 3 6	Brought forward 42 0 8  Hutton Seam— Ft. In.  COAL 1 6
Black stone 0 2 0 White post 1 0 6 Blue metal, with catheads 3 0 0 Soft blue metal 0 1 9	COAL and water 2 4 COAL, brassy 0 9
Soft blue metal 0 1 9	Black slaty metal 0 0 6 6 COAL, foul 0 0 2 Black slaty metal 0 0 5 In grey metal 0 0 5
	0 1 6
Carried forward 42 0 8	Total 43 0 9

#### No. 2,111.—WALDRIDGE.

#### TOWNSHIP OF WALDRIDGE, DURHAM.

Sheet of Ordnance Map. Lat. , Long.

Section of Strata sunk and bored through at Waldridge Colliery, on the East side of Waldridge Common.

Gravelly soil 0 1 3 Gravelly clay 1 1 8 Yellow sandy clay 1 3 7 Dark metal 2 0 5 Grey metal 3 0 7	Brought forward 8 1 6  Main Coal Seam—  Ft. In.  COAL, coarse 1 7 Stone band 0 2 COAL, good 3 9
Carried forward 8 1 6	Carried forward 9 1 0

# No. 2,111.—WALDRIDGE.—CONTINUED.

Brought forward Grey metal	Fs. Ft. In. Fs. Ft. In. 9 1 0 2 1 9	Brought forward Grey metal	Fs. Ft. I	in. Fs. 45	Ft. In. 1 8
Grey post	1 3 7	Grey post	1 1	0	
White post	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Blue metal		3 4	
Grey metal Blue metal	2 0 3			- 2	0 7
Black metal	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Grey metal	1 0 1	.0	
Grey metal Blue metal	$\begin{bmatrix} 0 & 0 & 9 \\ 1 & 1 & 8 \end{bmatrix}$	White post		0	
COAL	0 0 3	COAL		<u> </u>	5 11
Grey metal	1 2 2	Black stone	0 0	4	
Maudlin Seam— Ft. In. COAL. coarse 3 2		Grey metal		6	
Grey metal 0 6		White post Grey post		9	
COAL 0 9		White post, with blue	0 0		
	0 4 5	metal partings		6	
	11 4 6	Black stone Post girdle		3 8	
White post	$\begin{bmatrix} 0 & 0 & 11 \\ 2 & 0 & 0 \end{bmatrix}$	Blue metal	0 3	0	
Grey metal	2 3 7	Whin girdles		3	
Dark metal	0 5 2 4 3 6	Blue metal		$\frac{0}{2}$	
White post Low Main Seam—	4 5 0			- 5	1 8
Ft. In.		Grey metal		6	
Splint 0 1		Grey post		6 $4$	
	0 3 1	Whin girdle Grey post		0	
	10 4 3	Blue metal		3	
Grey metal	0 0 7	White post		8 6	
Grey post	3 2 4	Whin girdle White post		0	
Brass Thill Seam— Ft. In.		Whin girdle		6	
COAL 1 7		Grey metal Grey post		7 8	
Stone 0 1 COAL 0 3		White post	0 1	6	
COAL 0 3	0 1 11	Grey post		0	
4	3 4 10	Blue metal		0	
Grey metal	1 3 3			- 8	4 0
Grey post	1 0 8	Grey metal	-	6	
White post	$\begin{bmatrix} 0 & 1 & 10 \\ 0 & 0 & 11 \end{bmatrix}$	COAL	0 0	7 0	2 1
COAL	3 0 8	Grey metal		Ö	4 0
Grey metal	0 2 7	Total sunk		66	1 11
Grey post	1 4 5				
White post	$\begin{bmatrix} 1 & 3 & 6 \\ 1 & 1 & 4 \end{bmatrix}$	Bored further:-	1 0	0	
Blue metal, with iron-		Grey metal stone Black metal		3 8	
stone girdles	0 4 9	COAL, foul	0 1	8	
Hutton Seam— Ft. In. COAL 3 11				- 1	2 7
Stone 0 4		Grey metal	0 3	9	
COAL and		White post Grey metal, scared	1 0	0	
stone 1 7	0 5 10	with post	0 3	0	
	6 4 5	Dark metal	0 1	0	
				0 0	4 0
Carried for	cward 45 1 8	Carried forward	2 1	9 67	4 6

### No. 2,111.—WALDRIDGE.—CONTINUED.

		In. Fs.		Fs. Ft. In. Fs. Ft. In.
Brought forward	2 1	9 67	4 6	Brought forward 1 0 6 74 3 2
Black metal	0 1	0		Grey metal 1 2 5
Dark metal	0 2	0		COAL 0 0 7
Grey metal				Grey metal 4 4 1
White post				Busty-bank Seam—
COAL	0 1	_		Ft. In,
		5	1 11	COAL, tender 1 10
Grey metal	1 1	1		Metal 0 4
COAL, soft	0 1	8		COAL, tender 1 10
		1	2 9	0 4 0
Grey metal	1 0	0		7 5 7
COAL	0 0	6		
Carried forward	1 0	6 74	3 2	Total 82 2 9

# No. 2,112.—WALDRIDGE.

#### TOWNSHIP OF WALDRIDGE, DURHAM.

Sheet 12 of Ordnance Map. Lat.  $54^{\circ}$  50' 40'', Long.  $1^{\circ}$  36' 32''.

Section of Strata sunk through at Waldridge Fell Colliery.

Approximate surface level 366 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil and clay, mixed							Brought forward 15 4 7
with sand	3	0	0				Brown thill 0 2 0
Blue metal	0		8				Strong grey metal 1 2 2
Flint, white post	0	3	0				White post 0 2 10
Blue metal	0	3	0				COAL, splinty—
Grey metal, with post							Maudlin Seam 0 1 4
girdles	1	0	0				2 2 4
Blue metal	3	1	2				Thill 0 2 3
COAL — Main Coal							Grey metal 0 3 0
Seam	0	5	0				Post 1 1 1
				9	5	10	Blue metal 0 1 0
Thill	0		10				White post 2 4 5
Post girdles	0	1	2				Blue metal 0 0 8
Grey metal, mixed							White post 3 0 11
with post girdles	0	4	2				Brown post, with
White post	0	2	5				partings 3 4 2
Grey metal, with post							COAL - Low Main
_ girdles	0	3	0				Seam 0 3 0
Blue stone		4	5				12 2 6
Black stone	0	0	8				Thill 0 1 0
White post	0	3	6				Post girdles 0 5 0
Grey metal, with post		_	_				Blue stone 1 0 9
girdles	0		5				Post, with whin 0 4 8
Blue metal stone	1	_	10				Blue stone 0 5 0
COAL	0	0	4	_		_	COAL—Brass Thill
	_	_	_	5	4	9	Seam 0 1 8
							4 0 1
Chami- 3 C		3		15	4	7	Carried forward 34 3 6
Carried for	war	1		15	4	7	Carried forward 34 3 6

# No. 2,112.—WALDRIDGE.—CONTINUED.

Brought forward Thill Blue stone Post girdles	0 2 8 1 3 8 0 4 9	Brought forward 5 1 1 38 2 11  Hutton Seam— Ft. In.  COAL, good 3 10  Band 0 3
Grey metal, with post girdles Post girdles Blue metal COAL	0 3 9 0 1 0 0 0 7 0 1 0	COAL 0 4 Band 0 2 COAL, bot- tom 0 7
Grey metal White post Blue metal	3 5 5 0 3 0- 0 4 9 1 1 10	Grey metal 0 1 6 Brown post 2 3 0 Blue stone 0 0 4 COAL 0 0 5
Grey metal White post Blue metal stone	0 4 0	Grey thill 0 1 4 Grey metal 0 0 11
Carried forward	5 1 1 38 2 11	Total 47 4 8

# No. 2,113.—WALDRIDGE.

#### TOWNSHIP OF WALDRIDGE, DURHAM.

Sheet 20 of Ordnance Map. Lat.  $54^{\circ}$  50′ 18'', Long.  $1^{\circ}$  34' 51''.

Waldridge Colliery. Section of the Strata sunk through in the Chester South Moor Fan Pit. Finished November 10th, 1888.

		V	
	Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft.	. In.
Soil	0 1 0	Brought forward 17 5	11
Sandy clay	1 2 0	Soft grey metal 0 3 4	
Yellow sand		COAL 0 0 3	
Grey sand, with water	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	<del></del> 0 3	7
Grey loam	3 5 6	Blue metal 0 4 0	
Blue metal		COAL 004	
Sand and loam	2 5 0	0 4	4
Sandy clay and	L	Blue metal 0 5 0	
boulders		Grey metal, with post	
	<b>———— 14 3</b> 0	girdles 2 4 0	
Grey metal	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Blue metal, with iron	
Blue metal	. 1 5 9	girdles and water 3 4 7	
COAL, coarse	0 0 7	Low Main Seam—	
	2 1 5	COAL, with Ft. In.	
Black stone, mixed	l	water $2   9\frac{1}{2}$	
with coal	0 1 6	Seggar 1 6	
Blue metal	0 1 6	COAL $0 \ 3\frac{1}{2}$	
Brown post girdles	3	Grey metal 1 4	
and water		COAL 0 1 (0 0 .7	
COAL		0 5 5	-*
	1 1 6		7
Carried for	rward 17 5 11	Carried forward 27 3	5

^{*} Approximate sea level (Ordnance datum).

# No. 2,113.—WALDRIDGE.—Continued.

7. 7.40 7	Fs.	Ft	In.	Fs.			Fs. Ft. In. Fs. F	
Brought forward				27	3	5	Brought forward 4 1 6 55	2 2
Grey metal, with	-		0				Soft blue metal 2 1 6	
water	1	2	0				COAL 001	
White post girdles,								3 1
with blue metal	-	_	_				Seggar 0 3 0	
partings	1	0	0				Grey post, mixed with	
White post, mixed	_						brown 1 4 2	
with whin	0	4	4				Blue metal 0 0 4	
Blue metal, with thin							COAL, good 0 0 5	
post and whin	_		_					11
girdles	1	4	9				Mild seggar 0 1 6	
- COAL—Brass Thill							Grey post 0 3 6	
Seam	0	2	10				Hard brown post 0 2 0	
	_			5	1	11	Grey metal and post	
Strong seggar post	0	1	3				girdles 0 5 6	
Grey metal and white							girdles 0 5 6 Blue metal 0 5 6	
post girdles	0	4	7				COAL, good—Har-	
COAL	0	0	9				vey Seam 0 1 6	
				1	0	7		6
Grey metal	0	1	3				Strong seggar 0 4 6	
Grey metal and white							Soft blue metal 1 0 6	
post girdles	0	4	7				COAL 0 0 2	
Strong grey post	0	2	6				1 8	2
Grey metal	0	0	3				Soft seggar 0 2 0	
Blue metal and white							Strong white post 2 0 4	
post girdles	0	4	0				COAL, good 0 0 8	
Grey metal and white							2 8	0
post girdles	1	0	9				Seggar 0 1 9	
Strong grey post	0	1	6				Grey metal, with post	
Grey metal	0	0	6				girdles 0 3 7	
Grey post, mixed with			_				Soft blue metal 0 3 6	
whin	0	3	6				Ft. In.	
Blue metal	0	1	8				COAL, top 0 11	
White post	1	3	3				Band 0 1	
Blue metal	0	0	6				COAL, bot-	
COAL—Hutton Seam	0	4	0				tom 1 0	
				6	4	3	0 2 0	10
Strong seggar thill	0	3	6					10
Strong white post	0	4	3				Mild seggar 0 3 0	
Leafy post parting	0	0	2				Strong post girdles,	
Strong post	0	5	6				with partings 1 0 0	
Soft black shale part-							COAL 002	
ing, with water	0	0	4				1 3	2
Blue metal, mixed							Seggar, mixed with	
with iron balls	6	4	3				grey metal 1 0 0	
Grey post, with blue							Strong white post 8 1 0	
partings	2	5	0		*		Mild grey metal 0 4 0	
Blue (mild), with iron							Busty-bank Seam—	
balls	0	3	0				COAL, top, Ft. In.	
Mild grey post	2	1	2				_ good 1 10	
COAL, good, with							Brown stone	
water	0	0					band 0 2	
			-	14	4 .	0	COAL, coarse 0 3	
Soft seggar	0	3	0				Stone band 0 2	
Dark leafy post, with							COAL, bot-	
water	0	2	0				tom, good 2 0	
Mild white post	0	3	6				0 4 5	=
Dark leafy post	ĭ	3	0				Coome server 10 3	5
Blue metal, with water	0	5	Ŏ				Coarse seggar 0 2 0	
Leafy post	0	3	0				White post 2 1 0	0
0 F 111							2 3	0
Counied formered	4	1	6	55	9	2	Total 90 1	3
Carried forward	4	1	6	บบ	2	4	Total <u>88 1</u>	

#### No. 2,114.—WALKER.

#### TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat.

, Long.

Bored in Walker Estate at the head of Stot's Pow Dean for the Corporation of Newcastle. First Hole, a little below the middle of the Bank. March 21st, 1753.

Approximate surface level feet above sea (Ordnance datum).

Soil and bro	wn clav				In. Fs. Ft. In.	Brought forward 11 0 0
Stony clay						Brown sandy channel,
Leafy clay	•••		0	1	0	with water 0 4 0
Strong clay			6	2	0	Brown and grey leafy
Leafy clay			2	1	0	clay 1 0 0
Sandy clay						Sandy clay 0 2 0
Stony clay	•••	• • •	0	1	6	In brown scamy post 2 0 0
						15 0 0
Carried	forwar	d	11	0	0	Total 15 0 0

### No. 2,115.—WALKER.

#### TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat.

, Long.

Second Hole, about 90 yards up the Bank westward from the First Hole before mentioned.

siping of water 2 0 0 Stony clay 6 3 0 Leafy clay, scared with sand 1 3 0 Soft brown and grey scamy metal, mixed with clay 1 0 0	Soil and soft clay Stony clay Soft leafy clay, scared	Fs. Ft. In. Fs. Ft. In. 0 3 0 4 0 0	Brought forward 15 3 0  Brown sandy ramble or gravel, mixed
scamy metal, mixed	Leafy clay, scared with sand	6 3 0	Gulletty brown ramble, or broken post 0 3 4
Carried forward 15 3 0 Total 20 0	scamy metal, mixed with clay		

#### No. 2,116.—WALKER.

#### TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map.	Lat.	, Long.

Third Hole bored at the bottom of the Bank, near the Float Gap. April 13th, 1753.

Approximate surface level feet above sea (Ordnance datum).

Soil	Fs. Ft. In. Fs. Ft. In. 0 1 0
Stony clay	4 3 0
Leafy clay, scared with sand	1 5 0
Broken post or channel, with layers of sand and	
water	3 3 0
In broken scamy post, with water	1 3 9
	<b>————</b> 11 3 9
Total	11 3 9

#### No. 2,117.—WALKER.

#### TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

Fifth Hole. The Well at Walker Town was opened June 5th, 7th, and 8th, 1754, and boring made as under.

Approximate surface level feet above sea (Ordnance datum).

Sunk in all Old hole bored		 •••	Fs. 11 26	Ft. 3	In. 0 0	Fs.		In. 0
Grey metal		 	0	0	2	90	0	-
COAL, foul	<i>l</i>	 Ft. In. 0 11 0 5 0 8	0	2	0			
In grey metal (June 8th, 175	4)	 	_	_	_	0	<b>2</b> 0	2 2
Total	1	 				38	2	4

August 5th, 1754.—Levelled from the top of Walker Resolution Pit to Tyne side, at the highest water mark to 8 fms. 1 ft. 5 ins., the distance is 836 yards; and from Byker Recovery Pit to the top of the Resolution Pit, 11 fms. 2 ft. 1 in., the distance is 1,270 yards.

F

### No. 2,118.—WALKER.

#### TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat.

, Long.

# Account of the Boring in Walker Estate, at the head of Stot's Pow Dean. August 27th, 1753.

Approxima	te s	urf	ace	lev	el	f	eet above sea (Ordnance datum).
Sunk to scaffold  Box	Fs. 7 6 0	Ft. 2 3 4	In. 8 4 0	Fs.	Ft.	In.	Brought forward 6 2 9 30 0 5 Grey post 1 2 6
Gravel, mixed with sand and water	0	5	9	15	3	9	Metal parting, with much water 0 0 3 Strong white post 3 0 0 Strong white and grey
Brown post, with soft scamy partings Brown and grey post	1 0	5	0				post 2 0 0 Grey metal stone 0 1 4 COAL 0 0 5
Brown and grey post, with soft brown and sandy partings Grey, white, and brown	1	0	0				Grey metal 0 1 6 Grey post 0 5 0 Grey metal, with gir-
post An open gullet or hollow place	2 0	0	0				dles or lumps 1 2 0 Strong white post, mixed with whin 1 5 0
Strong white and brown post	3	1	6	5	1	9	White and grey post 2 2 0 White post with whin girdles 2 5 0
Coal pipe parting White post COAL, mixed with black metal	0 0	0 4 0	4 0 4				Grey post 0 2 0 White post 1 2 0  Ft. In.  Blue metal 1 6
Blue and grey metal Soft black metal,	2	0	0	4	0	2	COAL 1 0 Black metal, scared with
Grey post, with water	1	0	$\frac{8}{0}$	2	0	8	coal 1 6
Blue grey metal stone Blue metal  Ft. In.  7	0	4 3	9				White post 2 1 0  Blue and grey metal 0 3 0  COAL 0 0 3  A hard slaty girdle or
Blue and grey metal, mixed with coal 2 0							lump 0 0 3 COAL 0 0 6 2 5 0
and water 0 9	0	3	4	3	0	1	Grey metal, with girdles or lumps 1 0 0 White post 0 2 0 Grey metal stone 0 0 9
Soft grey metal stone Whin mixture White post, with water	1 0 1	$\begin{array}{c} 2 \\ 0 \\ 2 \end{array}$	0 9 0	-	U	1	Grey and black metal, with whin girdles 1 3 0 Black slaty metal 0 2 0
Grey metal stone Strong white post, mixed with whin	0	3	0				Grey metal 0 1 0 COAL 0 0 8
Grey and black metal, with girdles or lumps	2	0	0				Grey metal 0 0 4 White post 1 0 8
Carried forward	6	2	9	30	0	5	Carried forward 1 1 0 61 2 7

# No. 2,118.—WALKER.—CONTINUED.

					Ft.		Fs. Ft. In. Fs.		
Brought forward				<b>6T</b>	2	7	Brought forward 7 3 3 72	5	11
Strong grey post	1	1	0				Grey metal, with whin		
Blue and grey metal,							girdles 0 5 0 Whin 0 1 2		
with girdles or				-			Whin 0 1 2		
lumps	2	0	0				Strong white post,		
Black metal			6				with water 1 4 6		
Soft grey metal		1	0				Strong white post,		
Grey post, with metal			_				mixed with whin 0 5 9		
partings	1	3	9				Whin 0 2 9		
Strong black grey	-	0					Strong white post,		
							mixed with whin 1 3 10		
metal stone, with	9	2	Ω				Strong white post 1 2 0		
post girdles	0	1	6				Blue metal 0 4 0		
White post	U	Т	U				Grev post 0 1 6		
Strong white post,	0	0	0				Grey post 0 1 6 Blue metal 1 1 6		
mixed with whin	0		6				Blue metal 1 1 0		
Whin							High Main Coal		
White post	0	2	0				Seam— Ft. In.		
COAL or coal pipe							COAL 6 9		
partings	0	0					COAL, with		
				11	3	4	hard slaty		
Whin		0	9				lumps or scare		
White post	0	1					bands 1 3		
Strong white post	0	2	6				— 1 2 0		
Grey metal, with gir-							18	1	3
dles or lumps	1	0	0				Black slaty metal,	_	
Grey post girdles,							mixed with coal 0 0 6		
with black and blue							Blue metal 0 0 10		
partings	1	0	0				In blue and black		
Strong white post,									
mixed with whin	0	2	0				slaty metal 0 1 2		
Grey and black metal		_					0	2	6
stone	1.	3	0						
300110	-30		0						
Carried forward	7	3	2	72	5	11	Total 91	3	8
Carried forward	-	o	O	14	o	11	Total 91		

# No. 2,119.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

Bored in a Staple near the Engine Pit, Walker Estate, 30 yards South-west, side of Waggonway, about 400 yards from Warcombe. May 25th, 1757.

Sunk to scaffold	Fs.	Ft.	In.	Fs. 11			Fs. Ft. In. Fs. Ft. In. Brought forward 11 0 0 11 0 0
Box		0	0				Black and grey metal
Soft grey metal, with girdles or lumps		0	0				with small scares of $coal$ 1 0 0
Carried forward	11	0	0	11	0	0	Carried forward 12 0 0 11 0 0

# No. 2,119.—WALKER.—CONTINUED.

					1111	CONTINUED.			٠			
Brought forward	Fs. 12	Ft.	In. Fs 0 11	. Ft.	In. 0	Brought forward	Fs. 2	Ft.	In.	Fs. 56	Ft.	In. 9
White and grey post,						Black metal, scared						
with scamy partings	0	0	^			with coal	0	0	3			
and water	6		0 8			Grey metal stone, with						
COAL				0		post girdles and water	1	4	0			
			18	0	8		0	2	0			
Soft white post	0	3	9			Grey metal Black metal	0	0	6			
COAL	0					Grey metal stone, with	_					
White post	0	2	6			post girdles	0	3	6			
COAL, foul	0	U				Strong grey post, mixed with whin	1	1	0			
	_		1	0	9	Blue metal stone		4	ő			
Grey metal	0	2	0			Black slaty metal	0	4	0			
Grey metal Grey cashy metal						Grey metal stone with		_				
stone, with post						post girdles	1	0	0			
girdles and settled	٥	_	0			COAL	0	0	7			
the water Grey metal	0	5	0							8	4	10
COAL	0		5			Grey metal	0	2	0			
			_ 2	1	5	Strong grey metal						
					U	stone, with strong						
Grey and blue metal	0	5	0			post girdles and	2	Λ	Λ			
Grey and white post,						whin lumps Black stone	0		$\frac{0}{10}$			
with water or sul- phur	0	3	0			Grey and blue metal			10			
Grey metal stone	1	2	6			stone	1	3	0			
Black metal, with						Strong white post	0	1	6			
scares of coal	0	3	0			Grey metal parting		0				
Grey post, with metal	1		^			Strong white post Whin, mixed with	2	0	U			
partings Grey metal stone, with	1	4	0			strong white post	2	0	0			
post girdles	4	0	0			Whin	0	5	0			
Black metal	0		0			Strong white post,			_			
Grey and white post	1					mixed with whin Whin	1	$\frac{1}{3}$	6			
Whin	0		3			Strong white post,	0	9	O			
White post Whin	0	2	$\frac{6}{0}$			mixed with whin	3	4	0			
Whin Strong white post,	U	_	U			Whin		0				
mixed with whin	0	1	6			Blue metal	0	3	0			
White post, with hard						Strong grey metal stone, with a whin						
girdles and scamy	4	1	0			girdle near the bot-						
partings	4		$\frac{0}{6}$			tom	0	1	6			
Grey metal White post	ĩ	$\overline{2}$	6			Strong blue metal,						
Strong white post,						with girdles or lumps	0	1	0			
mixed with whin		0	0 .			Black slaty metal,	U	4	()			
Grey metal Grey post	1	4	$\frac{6}{0}$			with small scares of						
Grey post Grey metal stone	j	3	0			coal at bottom	0	1	0			
COAL	0	0	8			Strong black and grey	0	1	C			
- 1			_ 24	2	11	metal stone Strong white post,	0	T	6			
Grey metal	0	0		_		mixed with whin,						
Strong grey metal	U	U	ð			with whin girdles						
stone, with post						and some grey						
stone, with post	2		6			scames	0	4	0			
Black metal	0	0	9									
							_			_		_
Carried forward	2	3	0 56	5	9	Carried forward	17	1	0	65	4	7

### No. 2,119.—WALKER.—CONTINUED.

Brought forward Strong black and grey stone, with hard girdles Blue and black metal, with hard girdles or lumps and water COAL	0 2 0	1 3	6 0 6	65			Brought forward 9 3 4 86 1 7  High Main Coal Seam— Ft. In. COAL 2 11 Scare band or brassy lump 0 1 COAL 2 11 Scare band or brassy lump 0 1 coal
Grey metal Strong grey and white post, with water Grey metal stone, with							COAL, foul 1 5 - 1 2 4 - 10 5 8
strong post girdles and water	2	4	0				Black and blue metal 0 1 6 Grey metal, with girdles or lumps 0 2 0 In grey post 0 1 3
Carried forward	9	3	4	 86	1	7	Total 98 0 0

March 1st, 1758.—Rods measured by A. Barnes, 88 fms. 1 ft. 5 ins.

### No. 2,120.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat.

, Long.

Strata bored through in Walker Ground, in the Fortune Pit. June 26th, 1757.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Ft. In. Fs. Ft. In. Fs. Ft. In.
Sunk through clay to							Brought forward 2 9 6 1 6 21 3 0
the scaffold				10	0	0	Black metal 0 5
Box through clay below scaffold		Ω	0				COAL, but
Stony clay							soft near the
Sand and gravel,		Ŭ					bottom 2 4 COAL, foul
mixed with clay	2	3	0				brassy 0 3
				11	3	0	COAL 0 5
							1 0 2
White and grey post	6	1	6				7 1 8
Ft. In.							Grey metal 0 0 2
COAL 1 4							Black slaty metal, mixed with coal 0 1 7
Grey metal 0 1 COAL 1 4							COAL 0 0 4
COAL 1 4							0 2 1
							In grey metal 0 0 10
-	_						
Carried forward 2 9	6	1	6	21	3	0	Total 29 1 7
Carrica Iorward 2	U	1	J	~ L	9	0	

# No. 2,121.—WALKER.

#### TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat.

, Long.

#### Account of a Borehole put down in the Draw-well Staple, at Walker Town.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Sunk to the scaffold				12	0	0	Brought forward 0 4 0 59 0 0
Old borehole	27	0	0				Grey and white post 0 4 6
Grey metal and metal							Soft grey metal, with
stone, with whin							black scames 0 4 0
girdles	2	1	6				Grey metal 0 4 0
White and grey post,							Strong white post,
with water	0	3	0				mixed with whin 4 2 6
Strong white post,							Whin 0 1 0
mixed with whin	0	0	6				White post 0 0 6
COAL	0	1	6				Grey metal 0 0 9
				30	0	6	Black metal 0 2 0
Grey metal, with gir-							Grey metal 0 4 6
dles or lumps and							Grey post 0 2 0
water	1	1	6				Whin 0 0 7
White post	0	1	8				Soft black and blue
Soft grey metal, with							metal 2 0 0
girdles and water	1	4	6				Soft grey metal 0 1 6
COAL	0	1	1				White and grey post 1 3 3
				3	2	9	Open gullet and set
Soft grey metal	0	2	0				away the water 0 1 0
Grey metal, with gir-							13 0 1
dles and water	3	5	3				
White and grey post,	_						72 0 1
with water	1	1	0				Boring continued,
Grey metal	Ô	î	Õ				Oct. 29th, 1757:-
Strong white post	ő	î	ő				
Grey metal	ĭ	ō	6				White post, with water
COAL	0	0	6				in some places and
			_	6	5	3	coal pipes near the
Black metal, mixed				U	U	U	bottom 9 0 0
with coal	0	0	5				Ft. In.
α	0	0	4				COAL 2 6
COAL	0	0	9				Scare band or
COAL		U	_	0	1	6	brassy lump 0 1
Grey metal	0	2	0	U	1	U	COAL, with
XX71 */ /	2	ő	0				scares of brass
XX71. *	õ	ő	6				at bottom 3 5
Grey and blue metal,	U	U	U				Black and grey
with post girdles	1	2	6				metal 0 3
COAL	0	0	9				Hard foul scare
COAL	U	U	ð	3	5	9	band coal 2 1
Soft grey metal	1	1	0	o	0	U	1 2 4
XX71 */	_						10 2 4
	0	3	9				Blue and black slaty
Grey metal	0	0	6				metal 0 3 0
COAL	U	U	U	2	2	3	In grey metal stone 0 2 0
Soft grow motel	_	1	0	4	4	9	0 5 0
Soft grey metal	0		0				
Grey metal	0	3	U				
Carried forward	0	4	_	59	0	0	Total 83 1 5
Carried forward	U	4	U	00	U	V	2.0002

#### No. 2,122.—WALKER.

#### TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat.

, Long.

Account of the Boring in a Staple at Walker, about 100 yards to the North-west from the Engines. June 6th, 1759.

Approximate surface level

feet above sea (Ordnance datum).

Fs, Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Sunk to the box top 7 3 9	Brought forward 11 3 0 14 .0 3
Box 1 1 0	White and grey post,
Stony clay 5 1 6	with water 2 5 0
6 2 6	Grey post, with coal
Soft blue and brown	pipy partings 2 1 6
scamy metal 1 1 6	Grey scamy post 1 3 6
Grey and blue metal 5 5 0	COAL 0 0 5
Soft black grey metal 0 4 0	18 1 5
Black stone, with	In white grey metal
water 0 1 6	stone 0 1 6
Grey and white post. 3 3 0	
Carried forward 11 3 0 14 0 3	Total sunk and bored 32 3 2

July 5th, 1759.—Rods measured by Mr. Barnes to 25 fms. 0 ft. 2 ins.

#### No. 2,123.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. 54° 58′ 54″, Long.1° 32′ 26″.

Account of Borehole in East Pit, Walker Colliery. July 2nd, 1770.

Approximate surface level 48 feet above sea (Ordnance datum).

4
9
_
1

# No. 2,123.—WALKER.—CONTINUED.

	_						
	Fs.	Ft.			Ft.		Fs. Ft. In. Fs. Ft. In.
Brought forward				45	1	1	Brought forward 61 1 10
Grey metal, with gir-	~	_	_				Strong grey metal and
dles and water	2	0	0				metal stone 5 0 0
Grey and white post,							Black metal, mixed
with mixture of							with coal 0 2 0
whin girdles and	7	0	0				Strong white post 6 1 6
water	1	3	U				Strong grey metal
Grey metal, with gir- dles and water	1	1	0				stone and mixture
	$\frac{1}{0}$		6				of whin girdles 2 0 0
a .			6				Black stone, mixed with coal 0 0 6
Whin	0	1	6				Strong grey metal
Dark grey metal, with		-	0				stone and mixture
water	0	5	0				whin girdles 1 0 0
COAL	0	_	10				
	_			8	1	4	Grey metal 1 2 6 Black metal 3 2 0
Grey metal	0	3	0				Strong white post,
Grey metal stone	2	4	0				with a mixture of
Whin mixture	0		3				whin in several
Grey metal stone			0				places 7 3 0
Grey metal	1		0				Blue metal 2 3 9
Blackish blue metal	1	-	0				COAL and drift—
Grey metal		3	6				High Main Coal
Black stone	0	-	6				Seam 1 0 0
COAL—3/4 Seam	0	1	2	H	سم	~	30 3 3
				7	5	5	
Carried for	****	rd		61	1	10	Total 91 5 1
Carried 101	wa	ıu		OI		10	10tai 91 5 1

# No. 2,124.—WALKER.

#### TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat.

, Long.

#### Boring at intended New Pit, Walker Colliery (Jane Pit). February 22nd, 1790.

		s. Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 20 2 0
				Leafy clay 0 1 6
				Sand, with a small
				mixture of clay 0 2 6
L a	3 0			In soft brown ramble,
				with partings 1 1 6
				• 22 1 6
2 (	0 0			
1 :	3 0			•
0	2 0			Total <u>22 1 6</u>
	2 (	s. Ft. In. I ) 5 0 3 0 0 1 3 0 1 3 0 2 0 0 1 3 0	) 5 0 3 0 0 1 3 0 1 3 0 2 0 0 1 3 0	3 0 0 1 3 0 1 3 0 2 0 0 1 3 0

### No. 2,125.—WALKER.

#### TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat.

, Long.

The Second Place at Walker, 28 yards North-east from First Place, and 555 yards South 12° West from the Engine. March 24th, 1790.

Approximate surface level feet above sea (Ordnance datum).

Sunk in soil and leafy  Fs. Ft. In. Fs. Ft.	In.   Fs. Ft. In. Fs. Ft. In Brought forward 18 3 0
clay 1 0 0	Sand, with a mixture
Leafy clay 4 1 0	of clay 0 2 0
Sand 0 0 3	Sand 0 1 6
Stony clay, with small	Sand, with a mixture
beds of gravel and	of clay 1 1 0
a siping of water	Leafy clay 0 2 0
at about 9 fms. from	Sand, mixed with clay 0 1 0
surface 12 2 0	In soft brown sandy
Strong leafy clay,	ramble, with soft
mixed with sand at	scamy partings and
top 0 3 9	
Strong clay, with small	water 0 4 6 —————————————————————————————————
sandy partings 0 2 0	
sandy partings o 2 o	
Carried forward 18 3 0	Total 21 3 0
Carried forward 10 0 0	Total <u>21 3 0</u>

#### No. 2,126.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat.

, Long.

Bored in King Pit, Walker Colliery. May 5th, 1794.

	1	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Sunk to scaffold .						0		Brought forward 59 0 8
								Grey and blue metal,
Metal stone								with girdles 3 0 0
White post		4	0	0				Grey metal stone 1 0 0
Metal stone								White post, with part-
White post								ings and water 6 5 9
Grey metal and girdle	es	1	0	0				White post, mixed
COAL		0	0					with whin 1 3 5
	-			- 1	L7	0	8	
Carried f	orw	ard		E	(9	0	8	Carried forward 12 3 2 59 0 8

#### No. 2,126.—WALKER.—CONTINUED.

Brought forward			In.				Fs. Ft. In. Fs. Ft. In. Brought forward 9 4 0 72 4 0
Grey metal stone, with				00	Ü	U	Whin 0 2 0
post girdles							Strong white post, mixed with whin in
				13	3	4	several places 5 4 0
Grey metal Strong white post							Black stone, with whin girdles 4 4 0
Grey metal, with post	U	-1	U				Strong white post to
girdles	3	0	0				drift 3 0 11
Strong white post, with whin girdles	5	2	0				23 2 11
	_						
Carried forward	9	4	0	72	4	0	Total sunk and bored 96 0 11
0-4-1 2011 1	I PO		D .	3			1 b. M. D 74 f 0 ft 11 in-

October 30th, 1794.—Rods measured by Mr. Barnes, 54 fms. 3 ft. 11 ins.

#### No. 2,127.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

Boring at Walker Colliery, 550 yards North 12° East from the Gosforth Pit.

Approximate surface level feet above sea (Ordnance datum).

Sunk 6	s. Ft. In. Fs. Ft. In.	Brought forward		In. Fs. Ft. In.
Leafy clay 4		Stony clay, mixed with		*
Strong clay, with whin		sand	0 2	0
tumblers 4	2 6	Stony clay		
Stony clay, mixed with		Clay, mixed with sand	0 2	0
sand 0	1 7	Sand, with a small		
Stony clay C Sand, with water C	3 0	mixture of clay, and		
Sand, with water C	0 6	a siping of water	2 0	8 '
Stony clay (	0 9	In sand, with water		
				<b>— 15 4</b> 6
_				
Carried forward 11	L 0 4	Total		15 4 6

#### No. 2,128.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat.  $54^{\circ}$  58' 55'', Long.  $1^{\circ}$  32' 26''.

Bored in the Charlotte Pit, Walker Colliery, from the Main Coal Seam. November 2nd, 1801.

Sunk from surface to Fs. Ft	. In. Fs.	Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. In. 100 0 0
High Main Seam	100	0	0	
Carried forward	100	0	0	Carried forward 0 5 0 100 0 0

# No. 2,128.—WALKER.—Continued.

Brought forward O 5 0 100 0	n. 0 Fs. Ft. In. Fs. Ft. In. Brought forward 141 5 8
Grey metal, with girdles 4 5 0	Grey metal, with
Metal Coal Seam—	girdles 2 0 0 White post, with part-
COAL 0 6	ings 5 5 0
Grey metal 1 3 COAL, with	Six-Quarter Seam— Ft. In.
sulphur 2 8 * - 0 4 5	COAL 0 10   Blue metal 0 5
6 2	5 COAL 0 6 0 1 9*
Grey metal, with girdles 2 0 0	<u> </u>
Black stone 1 3 6 <b>COAL</b> —Stone Coal 0 0 10	Blue metal, with
	scares of coal at top 0 5 0  Five-Quarter Seam—
Soft grey metal 0 0 10 Strong grey metal	Ft. In.
stone, with post	with black
girdles 6 5 0 COAL—Yard Seam 0 2 9	stone 3 0 COAL 0 10
Grey metal, with whin	7 - 0 3 10
girdles 1 3 0	1 2 10
Black grey stone, with girdles or sulphur 0 2 0	Grey metal 0 2 0 Grey post 0 4 0
Strong white post, mixed with whin	Strong grey post, with
and metal partings 5 0 0 Grey metal 1 3 8	a mixture of whin 5 1 0 Grey metal stone, with
Strong white post 1 1 0	whin girdles 1 2 6 Strong whin girdles 0 0 7
Whin 0 5 0 Strong white post 1 5 0	Black slate 0 0 2
Black slate 0 0 2 COAL 0 0 8	Low Main Seam—
12 2	6 COAL, ten-
Grey metal stone 2 3 0 White post 1 3 0	der 5 2
Grey metal, with post girdles 1 4 2	small brass
Black stone 0 0 4	lumps and scare bands 0 11
COAL — Bensham Seam 0 3 0	— 1 0 1
Grey metal stone, with	6 ————————————————————————————————————
girdles 2 3 0 COAL, with water	Black slate, mixed with coal 0 0 3
and sulphur 0 0 3	Black grey metal 0 0 11
Grey metal, with post	3 0 1 2
girdles 2 4 8 Ft. In.	
COAL 0 5 Hard band 0 6	
COAL 1 6	
0 2 5 3 1	1
Carried forward 141 5	8 Total 160 2 9

^{*} In another copy the section is recorded as 2 feet 9 inches.

#### No. 2,129.—WALLSEND.

#### TOWNSHIP OF WALLSEND, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 54° 59′ 13″, Long. 1° 31′ 55″.

Account of Strata sunk through in the A Pit, Wallsend Colliery, from the High Main to the Low Main Seam, 1821, together with Strata proved to Beaumont Seam.

	Fs. Ft. In. Fs. F	t. In.	Fs. Ft. In. Fs. Ft. In.
To the High Main	111	0 0	Brought forward 2 2 6 132 2 11   Yard Seam— Ft. In.
Seam COAL, ground	0 3 0	0 0	COAL, good 1 6
Grey thill	0 3 0		Band 0 4
Blue stone, with whin			COAL, good 1 6
girdles	4 0 0		0 3 4
			2 5 10
Metal Coal Seam—			Grey thill 0 2 0
Ft. In.			Post girdles 0 0 8
Grey thill or			Grey post 1 0 4
band 0 7			Blue stone and whin girdles 1 0 4
COAL 2 3			Strong white post 0 3 9
	0 3 3		COAL and stone 0 0 2
	5	3 3	Grey post girdles 0 4 0
Grey thill	0 2 0		Grey thill and blue
Strong grey metal	1 3 6		girdles 2 1 3
Grey post	0 0 10		Grey post and whin 2 2 1
Blue stone and whin	0 0 0		Bensham Seam— Ft. In.
girdles	0 2 9		COAL, bad 0 2
Black stone—Stone Coal Seam	0 1 7		COAL, good 2 10
Coal Seam			Band 1 4
	2	4 8	COAL, bad 0 4 COAL, good 0 9
Blue stone	1 1 5		COAL, good 0 9
COAL, splint	0 0 5		with stone 0 8
	1	1 10	1 0 1
Dark thill	0 4 6		9 2 8
Strong grey post	0 4 2		
Strong blue stone	0 4 4		Sunk in a Staple 144 5 5
Blue stone and strong	0 0 0		25 yards West of A Pit:—*
girdles	3 2 6		Thill, mixed with
White post, mixed with whin	2 5 10		ironstone 1 1 5
Coal pipes	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		Whin 0 2 0
Post, mixed with coal	0 0 -		Grey metal and post
pipes	0 4 7		girdles 1 2 0
Blue stone	2  0  1		COAL 0 0 3
Ft. In.			Grey metal and post
COAL 1 5 Band 1 1			girdles 5 1 0
COAL 0 6			Ft. In.
0 0	0 2 0		COAL, splint 0 8
To Assistance	0 3 0		Grey metal stone 1 8
	———————————————————————————————————————	5 2	Stone 0 6 Stone 0 0½
Grey thill	0 3 0		COAL, good 1 3
Blue stone, mixed with	1 7 0		$ 0 4 1\frac{1}{2}$
ironstone	1 5 6		5 £ 5 1½
0 110	9 9 0 100	0.11	Connied fermand 152 4 21
Carried forward	2 2 6 132	2 11	Carried forward 153 4 $2\frac{1}{2}$

^{*} This is also stated to be a boring near G Pit. See No. 2,133.

# No. 2,129.—WALLSEND.—Continued.

Brought forward	Fs. Ft	In. F	s. Ft. 1	n.	Brought forward 1 2 8 178 2 3
Thill	0 1	0		-	White post 0 1 4
Grey metal and post	0 3	11			Blue metal 0 1 0 White post 0 0 6
girdles Whin	0 2	6			White post 0 0 6 Whin 0 0 8
Grey metal	$\begin{array}{ccc} 1 & 0 \\ 0 & 1 \end{array}$	$\frac{7}{3}$			White post 0 1 7
Grey whin Grey metal	$egin{array}{ccc} 0 & 1 \ 1 & 2 \end{array}$	9		1	Blue metal 0 1 1 White post 0 2 8
Blue metal	1 2	6			Grey whin 0 1 0
Black metal	$\begin{array}{ccc} 0 & 2 \\ 0 & 2 \end{array}$	$\frac{10}{2}$			White post 0 1 0
COAL			6 1	6	Blue metal, with iron- stone girdles 6 0 3
Grey stone	$\begin{array}{ccc} 0 & 2 \\ 0 & 0 \end{array}$	8			COAL 0 0 5
COAL, splint	0 0		0 3	0	9 2 2
Grey stone	0 0	$11\frac{1}{2}$			Blue metal 0 0 4 White post 0 0 7
COAL	0 0	11	0 1 1	01	Grev post 1 2 8\frac{1}{2}
			0 1 1	2	Blue metal $0   1   3\frac{1}{3}$ Black metal $0   0   10\frac{1}{3}$
Thill Grey metal	$\begin{array}{ccc} 0 & 1 \\ 0 & 1 \end{array}$	6 6			Grey metal $0 \ 0 \ 4\frac{1}{2}$
Post girdles, with blue					Blue metal 0 4 7
metal partings	$\begin{array}{ccc} 3 & 5 \\ 1 & 5 \end{array}$	6			Beaumont Seam Ft. In.
Blue metal Black metal	0 0	9			COAL 2 11
Low Main Seam-					Grey stone 0 4 COAL 0 7
COAL 1 9					Grey stone 1 3
Band 0 1					COAL 1 5 1 0 6
COAL 1 0 Band 0 3					3 5 3
COAL 2 5					Thill 0 2 0
	0 5	6	7 2	3	Grey metal, with post
Bored further, in 1824	;			_	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
in same Staple					Grey post 0 0 8
25 yards West of Shaft :— *					White post 1 3 3 COAL 0 0 7
White thill	0 5				4 0 8
Grey post Grey scamy post	O M				Thill 0 0 10
White post	0 2	0			Grey metal, with post girdles 1 2 3
Grey metal	0.5				Blue metal 0 3 0
White post Grey post	7 6				COAL 0 1 0
White post		8			m:n
Blue metal, mixed with post girdles		6 0			Thill 0 1 11 Blue metal 1 0 0
White post	. 0 4	11			COAL 0 0 5
Blue metal		7			1 2 4
			10 1	5	Thill 0 2 0 Grey metal 0 1 4
Grey thill	, 0 :	l 6			Grey metal 0 1 8
Grey metal	0 :	6			White post 0 3 1
Blue metal Grey whin	^ 4	3 2			1 2 1
Blue metal		2 0			
Carried forward	1 :	2 8	 178 2	3	Total 200 3 10
Carried forward	1 4	0.	110 2	9	

^{*} This is also stated to be a boring near G Pit. See No. 2,134.

#### No. 2,130.—WALLSEND.

#### TOWNSHIP OF WALLSEND, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 54° 59′ 43″, Long. 1° 31′ 58″.

Account of Strata sunk through in the C or Gas Pit, Wallsend Colliery.
October 18th, 1784.

Sunk to the scaffold   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0 0   18 0 0   18 0 0 0   18 0 0   18 0 0 0   18 0 0   18 0 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0   18 0 0								
White post, with water 5 0 0 COAL 0 0 5  Grey metal stone, with post girdles 5 3 6 Strong white post, with whin girdles and seamy partings 2 2 0 CoAL, foul 0 2 6 Strong white post, with whin girdles and metal partings 1 4 6 White post girdles 1 3 0 0 Whin 0 2 6 Strong white post, with whin girdles and metal partings 6 0 7 Grey metal stone, with girdles and metal partings 6 0 7 Grey metal stone, with girdles 1 0 0 Whin 0 2 6 White post 0 1 0 COAL, foul 0 1 0  Whin 0 2 6 White post 0 1 0 Grey metal stone, with water 3 0 0 Grey metal stone, with water 0 1 6 Grey metal stone, with water 0 2 6 White post 0 3 0 Grey metal stone, with water 0 1 0  Grey metal stone, with girdles and catheads 0 3 0 Grey metal and post girdles 2 1 0 COAL 0 0 0 9 Grey metal and post girdles 2 1 0 GOAL 0 0 0 9 Grey metal stone, with girdles and catheads 0 3 0 Grey metal and post girdles 2 1 0 COAL 0 0 0 9 Grey metal and metal partings 2 5 0 White post 0 3 6 Grey metal stone, with sirdles and catheads 0 3 0 Grey metal stone, with water 0 1 0 6 Grey metal and post girdles 0 3 6 Grey metal and post girdles 0 3 6 Grey metal stone, with girdles and catheads 0 3 6 Grey metal and post girdles 0 3 6 Grey metal stone, with girdles 0 3 6 Grey metal and post girdles 0 3 6 Grey metal stone, with girdles 0 3 6 Grey metal stone, with girdles 0 3 6 Grey metal and post girdles 0 3 6 Grey metal 0 1 0 6 Grey metal stone 1 5 3 Whin 0 0 0 9 Grey metal and metal stone, with girdles 1 3 3 Whin 0 0 0 9 Grey metal and metal stone, with girdles 1 3 3 White post 0 1 6 Grey metal stone 1 0 0  Total 102 4 6	Sunk to the scaffold	Fs.	Ft.					
White post, with water	Box				9	0	0	White sindly need and
Water	White post, with							
Grey metal stone, with post girdles 5 3 6 Strong white post, with whin girdles and seamy partings 2 2 0 0 White post girdles 1 3 0 0 White post girdles 1 3 0 0 White post 0 3 0 White post 0 3 0 White post 0 2 6 Strong white post, with whin girdles and metal partings 6 0 7 Grey metal stone 2 0 0 Grey metal stone 2 0 0 Grey metal stone, with girdles and metal partings 6 0 7 Grey metal stone 2 0 0 Grey metal stone, with girdles 1 0 0 Whin 0 2 6 White post 0 4 6 Grey metal stone, with water 0 4 0 Black metal, with girdles 1 0 0 Black metal, with girdles 0 1 6 Grey metal stone, with water 0 4 0 Black metal and post girdles 0 1 6 White post 0 3 0 Grey metal stone, with girdles 1 0 0 Black metal and post girdles 0 1 6 White post 0 3 6 Grey metal and post girdles 1 0 6 White post 0 1 0  Grey metal stone and post girdles 1 0 6 Black grey metal 0 1 6 White post 0 1 0 Grey metal stone and post girdles 1 0 6 Black grey metal 0 1 0 Grey metal stone and post girdles 1 0 6 White post 0 1 5 3 Whin 0 0 0 9 Grey metal stone, with girdles 1 3 3 Whin 0 0 0 9 Grey metal and metal stone 1 5 3 White post 1 5 3 White post 1 5 3 White post 4 0 0		5	Λ	Λ				1 4
Grey metal stone, with post girdles 5 3 6 Strong white post, with whin girdles and seamy partings 2 2 0 Grey metal stone, with post girdles 13 0 0 White post 0 3 0 White post 0 1 0 Grey metal stone, with whin girdles and metal partings 1 4 6 Whin 0 0 6 Strong white post, with whin girdles and metal partings 6 0 7 Grey metal stone 1 0 0 Whin 0 2 6 Grey metal stone, with girdles 1 0 0 Whin 0 2 6 Grey metal stone, with water 0 4 0 Grey metal stone, with water 0 4 0 Grey metal stone, with water 0 4 6 Grey metal stone, with water 0 3 0 Grey metal stone, with water 0 3 0 Grey metal stone, with girdles 0 3 0 Grey metal stone, with water 0 3 0 Grey metal stone, with girdles 0 3 0 Grey metal stone, with water 0 3 0 Grey metal stone, with girdles 0 3 0 Grey metal stone and post girdles 0 3 6 Grey metal stone 1 3 3 Whin 0 0 0 9 Grey metal stone, with girdles 1 3 3 Swhin 0 0 0 9 Grey metal stone, with girdles 1 3 3 Swhin 0 0 0 9 Grey metal stone with girdles 1 3 3 Swhin 0 0 0 9 Grey metal stone 1 5 3 Swhite post 1 5								White post, with mix-
Grey metal stone, with post girdles 5 3 6 Strong white post, with whin girdles and scamy partings 2 2 0 White post 0 3 0 White post 0 3 0 White post 0 3 0 COAL, foul 0 1 0 COAL, foul 0 1 0 Grey metal stone, with girdles and metal partings 6 0 7 Grey metal stone, with girdles and metal partings 6 0 7 Grey metal stone 2 0 0 To Grey metal stone, with girdles 1 0 0 White post 0 1 0 Grey metal stone 2 0 0 To Grey metal stone, with girdles 1 0 0 White post 0 1 0 Grey metal stone 2 0 0 To Grey metal stone, with girdles 1 0 0 White post 0 1 0 Grey metal stone, with water 0 2 2 6 White post 0 4 0 Grey metal stone, with water 0 2 2 6 White post 0 3 0 Grey metal stone, with water 0 2 2 6 Grey metal stone, with water 0 2 2 6 Grey metal stone, with water 0 2 2 6 Grey metal stone, with water 0 2 2 6 Grey metal stone with water 0 3 0 Grey metal stone with girdles 0 3 0 Grey metal stone and post girdles 0 1 1 3 Grey scamy post girdles 0 1 2 Grey metal stone and post girdles 1 3 3 Grey metal stone and post girdles 1 0 6 Grey metal stone with girdles 1 3 3 S Whin 0 0 0 9 Grey metal and metal stone 1 5 3 S White post 1 5 5 3 S White post 1 5 5 S S S S S S S S S S S S S S S S S	COAL	U	U	Ð				ture of whin girdles.
Much water     4   1   3				_	5	0	5	
Blue grey metal   0					_			
Strong white post, with whin girdles and scamy partings 2 2 0 0   Strong white post with whin girdles   Strong white post   Strong white post   O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Grey metal stone, with							
Strong   white   post, with whin girdles and seamy partings   2   2   0	post girdles	5	3	6				
with whin girdles and scamy partings         2         2         0         6         6         6         6         6         6         6         6         6         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         6         7         6         6         7         6         6         7         6         6         9         9         6         9         9         9         9         9								
Strong white post   Strong white post   Strong white post   O   1   O   Strong white post   O   1   O   Grey metal stone   O   3   O   O   Strong white post   O   1   O   O   O   O   O   O   O   O								partings 1 4 6
Grey metal stone, with post girdles 13 0 0 0 White post 0 3 0 0 0 Strong white post, with whin girdles and metal partings 6 0 7 Grey metal stone 2 0 0 0 COAL, foul 0 1 0 0 Strong white post, with whin girdles 1 0 0 0 Whin 0 4 0 Grey metal stone, with girdles 1 0 0 0 White post 0 4 6 Grey metal stone, with water 0 4 0 Grey metal stone, with water 0 4 0 Grey metal stone, with water 0 0 3 0 Grey metal stone, with water 0 0 0 9 Grey metal 0 1 6 Grey metal stone and post girdles 1 3 3 Whin 0 0 0 9 Grey metal and metal stone 1 5 3 White post 1 5 3 Wh		9	9	Λ				Whin 0 0 6
Grey metal stone, with post girdles   13 0 0   0   0   0   0   0   0   0   0		4		U				
White post	Grey metal stone, with		_	_				
White post 0 3 0 0	post girdles	13	0					
Strong white post, with whin girdles and metal partings 6 0 7 7 Grey metal stone 2 0 0 0 COAL, foul 0 1 0 0 Strong white post, with coal pipes 0 1 6 Grey metal stone, with girdles 1 0 0 0 4 6 Grey metal stone, with water 0 4 0 Black metal, with girdles and catheads 0 3 0 Grey metal and post girdles 2 1 0 COAL 0 0 0 9 Grey metal stone, with girdles 0 1 6 Grey metal stone and post girdles 0 1 6 Grey metal stone and post girdles 0 1 6 Grey metal stone and post girdles 0 1 0 0 9 Grey metal stone, with girdles 1 3 3 White post 0 0 0 9 Grey metal and metal stone 1 5 3 White post 4 0 0	White post	0	3	0				
Strong white post, with whin girdles and metal partings 6 0 7   Grey metal stone 2 0 0   COAL, foul 0 1 0   Strong white post, with coal pipes 0 1 6   Grey metal stone, with girdles 1 0 0 0   Whin 0 2 6   White post 0 4 6   Grey metal stone, with water 0 4 0   Blue grey metal 0 1 2   White and grey post 0 2 4   Grey metal and post girdles 2 1 0   Grey metal stone 0 3 0   Grey metal and post girdles 0 3 6   Grey metal stone, with girdles 1 3 3   White post 0 3 6   Grey metal stone, with girdles 1 3 3   White post 0 0 9   Grey metal stone, with girdles 1 3 3   White post 0 0 9   Grey metal and metal stone 1 5 3   White post 1 5 5 3   White	Whin	0	2	6				
with whin girdles and metal partings         6 0 7         7           Grey metal stone         2 0 0         2 0 0           COAL, foul         0 1 0         30 0 7           Grey metal stone, with girdles         1 0 0         30 0 7           Whin         0 2 6         Whin coal pipes         5 2 0           Whin         0 4 0         Grey metal stone, with with girdles         1 4 0           Black metal, with girdles and catheads         0 3 0         Grey metal stone         0 1 2           Grey metal and post girdles         2 1 0         White and grey post 0 2 4           Black grey metal and post girdles         0 1 3         Grey scamy post girdles and metal partings         0 1 3           Grey metal stone, with girdles         0 3 6         Grey metal stone and post girdles and metal partings         0 3 6           Grey metal         0 0 9         5 3 9         Grey metal stone and post girdles         1 0 6           Black grey metal         0 2 2         COAL — High Main         Seam         1 0 0           Grey metal and metal stone         1 3 3         White post         1 0 0         1 0 0	Strong white post.							Grey metal 1 0 0
Strong white post, with whin girdles   0   1   6								Strong white post,
Grey metal stone 2 0 0 0  COAL, foul 0 1 0  Grey metal stone, with girdles 1 0 0 4 0  Whin 0 2 6  White post 0 4 6  Grey metal stone, with water 0 4 0  Black metal, with girdles 0 3 0  Grey metal and post girdles 2 1 0  COAL 0 0 0 9  Grey metal stone, with girdles 2 1 0  COAL 0 0 0 9  Grey metal stone, with girdles 0 3 6  Grey metal 0 1 6  White post 0 3 6  Grey metal 0 1 6  White post 0 1 6  White post 0 1 6  White post 0 1 0 0  Grey metal stone and post girdles 1 0 6  Black grey metal 0 1 6  White post 0 0 9  Grey metal stone, with girdles 1 0 0  Grey metal stone and post girdles 1 0 6  Black grey metal 0 2 2  COAL 1 0 0  Grey metal stone and post girdles 1 0 6  Black grey metal 0 2 2  COAL 1 0 0  Total 102 4 6		C	0	17				with coal pipes 0 1 6
Strong white post, with whin girdles   5   2   0   0								
with whin girdles   5   2   0								1 5.100
Grey metal stone, with girdles 0 4 0 White post 0 4 6 Grey metal stone, with water 0 4 0 Black metal, with girdles 2 1 0 Grey metal and post girdles 2 1 0 Grey metal 0 1 6 White post 0 3 6 Grey metal 0 1 6 White post 0 3 6 Grey metal stone, with girdles 1 3 3 White post 0 3 6 Grey metal stone, with girdles 1 3 3 Whin 0 0 9 Grey metal stone, with girdles 1 3 3 Whin 0 0 9 Grey metal and metal stone 1 5 3 White post 1 5 3	COAL, foul	0	1	0				
Grey metal stone, with girdles 1 0 0 4 0  Black metal, with girdles and catheads 0 3 0  Grey metal and post girdles 2 1 0  COAL 0 0 1 6  White post 0 3 6  Grey metal stone, with water 0 0 0 9  Grey metal 0 1 6  White post 0 3 6  Grey metal stone, with girdles 2 1 0  COAL 0 0 9  Grey metal 0 1 6  White post 0 3 6  Grey metal stone and post girdles 0 3 6  Grey metal stone and post girdles 0 3 6  Grey metal stone and post girdles 1 0 6  Black grey metal 0 2 2  COAL 0 0 5  Grey metal stone and post girdles 1 0 6  Black grey metal 0 2 2  COAL 1 0 0  Grey metal stone and post girdles 1 0 6  Black grey metal stone and post girdles 1 0 0  Grey metal stone, with girdles 1 0 0  Grey metal stone, with girdles 1 0 0  Total 102 4 6					20	0	17	
Coal pipes 1 4 0   O				_	90	U	- 1	
Coal pipes 1 4 0	Grey metal stone, with							Grey scamy post, with
Whin 0 2 6 White post 0 4 6 Grey metal stone, with water 0 4 0 Black metal, with girdles and catheads 0 3 0 Grey metal and post girdles 2 1 0 Grey metal 0 0 9 Grey metal 0 1 6 White post 0 3 6 Grey metal stone, with girdles 1 3 3 Whin 0 0 9 Grey metal and metal stone, with girdles 1 5 3 White post 1 5 3		1	0	0				coal pipes 1 4 0
White post 0 4 6 Grey metal stone, with water 0 4 0 Black metal, with girdles 2 1 0 Grey metal and post girdles 0 1 6 White post 0 1 6 White post 0 3 6 Grey metal stone, with girdles 1 3 3 Whin 0 0 0 9 Grey metal and metal stone, with girdles 1 3 3 Whin 0 0 0 9 Grey metal and metal stone 1 5 3 White post 1 5 3 White post 4 0 0  Total 102 4 6								
Grey metal stone, with water 0 4 0 Black metal, with girdles and catheads 0 3 0 Grey metal and post girdles 2 1 0 COAL 0 0 9 Grey metal 0 1 6 White post 0 3 6 Grey metal stone and post girdles 1 0 6 Black grey metal stone and post girdles 1 0 6 Black grey metal stone and post girdles 1 0 6 Black grey metal stone and post girdles 1 0 6 Black grey metal stone and post girdles 1 0 0 Grey metal stone, with girdles 1 3 3 Whin 0 0 9 Grey metal and metal stone 1 5 3 White post 1 5 3 White post 4 0 0  Total 102 4 6	111							
White and grey post 0 2 4		U	4	O				1
Black metal, with girdles and catheads 0 3 0 Grey metal and post girdles 2 1 0 Grey metal stone and post girdles 0 0 1 6 Grey metal stone, with girdles 1 3 3 White post 0 0 0 9 Grey metal and metal stone 1 5 3 White post 1 5								Circle Title
Coal	water	()	4	0				
Grey metal and post girdles 2 1 0   Grey metal stone and post girdles 0 0 0 9	Black metal, with gir-							Black grey metal 0 1 3
Grey metal and post girdles 2 1 0 0 9 9 5 3 9 9 6 Grey metal 0 1 6 6 6 6 Grey metal stone, with girdles 1 3 3 8 Whin 0 0 0 9 6 Grey metal and metal stone 1 5 3 8 White post 1 5 3 8 White post 4 0 0 9 6 6 Figure 1 5 3 8 White post 1 5 5 8 White post 1 5 8 White post 1 5 5 8	dles and catheads	0	3	0				Grey scamy post gir-
Sirdles								dles and metal part-
Grey metal 0 1 6 White post 0 3 6 Grey metal stone, with girdles 1 3 3 Whin 0 0 0 9 Grey metal and metal stone 1 5 3 White post 1 5 3 White post 4 0 0  Total 102 4 6	1 71	9	- 1	Λ				
Grey metal 0 1 6 White post 0 3 6 Grey metal stone, with girdles 1 3 3 Whin 0 0 9 Grey metal and metal stone 1 5 3 White post 4 0 0  Total 102 4 6	0041							1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Grey metal 0 1 6 White post 0 3 6 Grey metal stone, with gridles 1 3 3 3 White post 1 5 3 White post 4 0 0 Total 102 4 6	COAL	U	U	9				
Grey metal 0 1 6 White post 0 3 6 Grey metal stone, with girdles 1 3 3 Whin 0 0 9 Grey metal and metal stone 1 5 3 White post 4 0 0  Total 102 4 6					5	3	9	Para Branch
White post 0 3 6 Grey metal stone, with girdles 1 3 3 Whin 0 0 9 Grey metal and metal stone 1 5 3 White post 1 5 3 White post 4 0 0	0 13	_	-	0				1
Grey metal stone, with girdles 1 3 3 Whin 0 0 9 Grey metal and metal stone 1 5 3 White post 4 0 0		U						
girdles 1 3 3 Whin 0 0 9 Grey metal and metal stone 1 5 3 White post 4 0 0  Total 102 4 6	White post	0	3	6				Seam 1 0 0
girdles 1 3 3 Whin 0 0 9 Grey metal and metal stone 1 5 3 White post 4 0 0  Total 102 4 6	Grey metal stone, with							
Whin 0 0 9  Grey metal and metal stone 1 5 3  White post 4 0 0  Total 102 4 6	7 71	1	3	3				34 5 9
Grey metal and metal stone 1 5 3 White post 4 0 0 Total $102 4 6$	***** *							
stone 1 5 3 White post 4 0 0		-						
White post 4 0 0 Total 102 4 6		-	=	0				
Total 102 4 6								
20002 111	white post	4	0	0				
20002 111								m + 3 100 4 0
Carried forward 8 2 3 67 4 9					01			Total 102 4 6
	Carried forward	8	2	3	67	4	9	

#### No. 2,131.—WALLSEND.

#### TOWNSHIP OF WALLSEND, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 54° 59′ 43″, Long. 1° 31′ 58″.

Strata bored through in the East Pit Workings, Wallsend Colliery, to the South of Green's Freehold, and about 100 yards East of the Shaft, from the Thill of the High Main Coal Seam.

Approximate surface level feet above sea (Ordnance datum).

**									ĺ				
Sunk a staple in thill	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.			Ft.	In. 3
and grey metal				1	2	0					00	-	o
Ironstone girdle	0	()	8	,			Dark slaty metal, with sulphur	0	0	0			
Grey post		3					COAL, with sulphur	0		9			
Grey metal, with a							Dark slaty metal, with	U	U	'			
sulphurous blower							sulphur	0	0	6			
1 fathom from top	4	0	4				COAL, slaty			5			
Grey post girdles and		0	0				Slaty metal			4			
metal partings			0				COAL, coarse, with						
COAL, foul		4	4				sulphur and water	0	3	0			
Grey metal stone Strong white and grey	U	46	U								0	5	7
	8	1	8										
coal — Metal Coal	0	0	5				Thill	0	0	9			
JONE Metal Com		Ŭ					Dark grey metal	0	0	9			
				18	0	5	Black slaty metal	0	1	2			
\$\$71 *4		0	0				Grey metal stone,						
White post		0	0				with post and whin girdles	1	2	c			
Dark brown metal Slaty stone, mixed	4	U	9				Dark grey metal stone,	4	2	U			
with coal	0	0	5				with post and whin						
Grey metal stone,	Ü		U				girdles	0	4.	0			
with post and whin									í				
girdles	3	0	0				Dark grey metal stone,						
Strong white post	2	0	0				with whin girdles	0	4	6			
Grey metal stone	1	0	0					0	2	0			
strong write post	1	3	U				Whin girdle and metal						
Grey metal stone	3	3	0					0	4	0			
Black metal, mixed		_					Metal stone, with	-	-	•			
with foul coal	0	1	0					1	1	6			
Dark grey metal, with	0	7	3				COAL, with sulphur, a small scare of band						
girdles	U	1	Э				18 inches from top,						
							and band 4 inches						
Bensham Seam-							at 1 yard from top	1	0	2			
Ft. In.							j						
COAL 1 5							-	_		-	9	4	4
Darkgrey metal 0 5 COAL 0 11													
	0	2	9										
		-		15	2	10							
				15	5	10							-
0 . 10		1		-	_		Total				46	0	2
Carried for	varo	i		35	2	3	Loual			=	10	_	=

# No. 2,132.—WALLSEND.

TOWNSHIP OF WALLSEND, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0′ 10″, Long. 1° 31′ 43″.

Account of Strata sunk through in the F Pit, Wallsend.

		Fs.	Ft.	In. I	Fs. 1	Ft. I	n.	Fs. Ft. In. Fs. Ft. In.
Soil and stre	ong clay,							Brought forward 64 3 4
with tumb	lers	8	4	0				Thill 0 2 0
Brown post		2	1	0				Grey metal stone 1 1 0
Soft grey me	etal stone	4	0	0				Grey post 0 5 0
		0	1	0				Black stone 0 3 8
Grey metal s		5	.0	0				COAL 0 0 4
		2	1	0				
Grey metal s		1	1	4				3 0 0
****		0	0	8				Thill 0 2 6
							*	Grey metal stone 0 2 6
Strong white			_					Grey post 0 1 6
post, with		14	1	6				White post 0 4 6
Black stone		0	4	0				Black stone 0 1 8
COAL		0	0	8				COAL 0 0 11
				- ;	38	3	2	
Thill		0	2	0				2 1 7
	***	ő	4	6				Thill 0 2 0
Grey post	•••	ő	ī	6				Grey metal stone 4 1 0
White post		0	î	8				COAL 0 0 3
Whin		1	1	0				4 3 3
Grey post		0	3	6				
Blue metal s		2	0	6				Grey metal stone 2 0 9
Grey post		2	0	8				Grey post 2 0 9
Blue metal s			-	-				White post 4 4 3
Grey post		1	0	0				Blue stone 0 0 6
Whin	• • • • • • • • • • • • • • • • • • • •	0	2	4				Grey metal stone 0 3 0
		2	3	2				Black stone 0 1 0
		0	2	0				Grey post 0 5 6
COAL		0	0	2				Blue metal stone 0 1 8
					11	5	0	Black stone 0 1 4
G 43.231			-					Grey post 1 3 0
Grey thill	***	2	1	4				Black stone 3 4 0
Grey post		0	5	0				COAL 0 0 3
Whin		0	2	0				
White post		0	0	6				16 2 0
Whin		0	2	3				Grey thill 0 1 8
White post, v	with water		5	9				White post 2 0 0
COAL	***	0	0	8				Whin, very irregular 0 4 0
					10	5	6	White post 3 0 0
C 41:11		0	1					Whin, very irregular 0 4 6
Grey thill		0	1	8				White post 0 3 0
Grey post		0	5	0				Grey post, with scares 3 0 0
Blue metal s	stone	1	2	0				Grey metal stone 0 5 7
COAL		0	1	2				COAL—High Main
					2	3	10	2 2 2 2 2 2
/III. : 11		0	9	0				_
Thill	• • • • • • • • • • • • • • • • • • • •	0	3	0				
COAL	•••	0	U	10				Outset of pit 0 3 0
					0	3	10	
	Carried f	OPTE	hre		64	3	4	Total 103 2 11½
	Carried 1	OFW	mru.		OF	U	-30	

^{*} Approximate sea level (Ordnance datum).

### No. 2,133.—WALLSEND.

#### TOWNSHIP OF WALLSEND, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 54° 59′ 30¼″, Long. 1° 30′ 56″.

Account of Strata sunk through in the G, George, or Church Pit, Wallsend Colliery, together with a Boring from the Low Main Seam.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Outset 2 0 0	Brought forward 58 3 6
Yellow clay 1 1 8	Thill 0 1 10
Blue clay 2 1 1	White post 0 3 0
Leafy clay 1 3 3	Grey metal 0 0 6
Stony clay 9 2 0	White post 1 3 10
Sand, very wet 0 0 3	Black metal 0 0 2
Stony clay · 2 1 2	Thill 0 2 1
Sand 0 0 3	Blue metal 0 3 11
Stony clay 9 4 4	COAL 004
26 2 0	3 3 8
m (0 2 0	Thill 0 4 2
Blue metal stone $\cdots$ $\left\{\begin{array}{ccc} & & & & \\ 2 & 0 & 0 \end{array}\right\}$	Grey metal 0 5 10
Grey post 0 4 0	Blue metal 2 5 6
Grey metal stone 2 0 0	Grey post and girdles 0 3 0
1 1 7	White post 0 5 0
White post 1 1 7 White post, with water 2 2 0	Grey mixed post 0 2 0
7	White post 0 4 8
	Blue metal 0 5 9
	COAL 0 0 4
Pilate and	
Post, in the	Thill 0 2 0
The state of the s	White post 0 4 3
The state of the s	Grey post 0 2 6
Grey metal 0 0 8	D1
White post 1 1 4	D4
Grey shivery post 0 0 9	Di O do
White post 1 1 9	
COAL 0 0 5	
16 5 9	Blue metal to a parting 0 3 0
Thill 1 3 0	D1 4.1
Post girdles and metal	
partings 1 0 9	Three-Quarter Seam— Ft. In,
Blue metal 0 1 8	COAL 1 0
Thill 0 0 8	Thill 3 0
Grey post 1 1 2	Blue metal 0 9
Blue metal 1 4 3	COAL 0 10
COAL 0 0 9	0 5 7
6 0 3	4 1 2
White post 1 1 0	Thill 0 0 6
Cash parting, with	Grey metal 0 3 0
water 0 0 3	Blue metal 1 2 1
White post 1 2 10	Dla ala
Grey metal 3 1 5	0.01
Blue metal 1 0 6	0 0 1 1 5 11
Ft. In.	White post 0 1 0
COAL 0 2	
Thill 1 2	DI A I
COAL 0 2	D114-1
0 1 6	0041
7 1 6	0 0 1 1 3 2
	1 0 2
Carried forward 58 3 6	Carried forward 77 5 8
00 0 0	Carried forward 77 0 6

^{*} Approximate sea level (Ordnance datum).

# No. 2,133.—WALLSEND.—CONTINUED.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 77 5 8	Brought forward 120 3 31
Thill 0 2 0	Thill 0 1 6
Blue metal 0 3 3	Grey metal, mixed with
COAL 0 0 6	ironstone girdles 0 3 4
0 5 9	Post girdles 0 4 0
Thill 0 2 0  Grey metal 0 3 3	2041
City mouse in	0 0 76
South, Post	3011
	Grey metal stone 0 0 10
1 1 1	COAL 0 0 2
GIO, PORTO	
White post 0 5 0 Grey metal post 0 2 0	Thill 0 0 10
Blue metal 0 2 • 7	White post 1 5 2
Black metal 0 2 5	Grey metal, mixed
COAL, splint 0 0 8	with whin girdles 2 4 0
4 3 11	Blue metal, mixed with
Blue metal 0 5 4	ironstone girdles 0 3 6
White post girdles 0 0 11	COAL - Stone Coal
White post 6 4 9	Seam 0 1 4
COAL 0 0 7	5 2 10
<del></del> 7 5 7	
Thill 0 1 6	Thill 0 1 0
Grey post girdles 0 3 1	White post 2 5 0
Blue metal 0 2 9	Whin 0 2 5
Grey post girdles 0 0 9	Grey post 2 1 6
Blue metal 0 5 5	COAL, mixed with
Post girdles 0 2 0	stone 0 0 11
Black metal 0 3 2	5 4 10
COAL $0 \ 0 \ 1\frac{1}{2}$	Blue metal, mixed with
${}$ 3 0 9 $\frac{1}{2}$	ironstone girdles 1 1 9
Thill 0 1 0	COAL-Yard Seam 0 3 61
Grey metal girdles 0 4 4	1 5 3
Black metal or black stone 2 5 5	
0 0 11	Thill 0 1 0
COAL $0 \ 0 \ 1\frac{1}{2}$	Grey metal, mixed
mi iii 1 1 C	with ironstone gir-
	4105
Main post 10 0 7 Blue metal, with gir-	THE POST III
	Grey metal, mixed with whin girdles 2 0 0
dles 2 2 0  High Main Coal Seam—	8
Ft. In.	Blue metal, mixed with ironstone girdles 4 2 5
COAL 6 7\frac{1}{5}	ironstone girdles $4$ $2$ $5$ Black metal $0$ $0$ $0$ $3\frac{1}{2}$
COAL, ground 2 2	Diack metal o o og
$129\frac{1}{2}$	Bensham Seam-
$\phantom{00000000000000000000000000000000000$	Ft. In.
Grey thill 0 3 10	COAL, crow 0 2
Blue stone, with whin	COAL, top 2 8
girdles 4 0 2	Splint and stone 0 6
Grey metal stone 1 4 4	COAL, bot-
Metal Coal Seam—	tom 1 5
COAL O 6	0 4 9
Band 0 6	$951\frac{1}{2}$
COAL 2 6	
0 3 6	
6 5 10	
	Total $*147 \ 4 \ 8\frac{1}{2}$
Carried forward 120 3 $3\frac{1}{2}$	10001

^{*} A reputed boring below the Bensham Seam is contained in Section No. 2,129.

# No. 2,134.—WALLINGTON.

#### TOWNSHIP OF WALLINGTON, NORTHUMBERLAND.

Sheet 70 of Ordnance Map. Lat.

, Long.

Bored 132 yards North-west of Wallington Hall Stables.

Approximate surface level feet above sea (Ordnance datum).

Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
							Brought forward	8	5	0	7	0	8
				0	8	}	Blue metal	0	5	0			
1	4	6					COAL, with water,						
1	3	0					but will not cake	0	1	6			
0	3	0									9	5	6
2	0	6					In strong post, mixed						
							with whin				0	0	4
3	0	0											
			_			-							
8	5	0	7	0	8	3	Total		•••	=	17	0	6
	1 1 0 2 3	1 4 1 3 0 3 2 0 3 0	1 4 6 1 3 0 0 3 0 2 0 6 3 0 0	7 1 4 6 1 3 0 0 3 0 2 0 6 3 0 0	7 0  1 4 6  1 3 0  0 3 0  2 0 6  3 0 0	7 0 8 1 4 6 1 3 0 0 3 0 2 0 6 3 0 0	1 4 6 1 3 0 0 3 0 2 0 6 3 0 0	Brought forward Blue metal COAL, with water, but will not cake In strong post, mixed with whin	Brought forward 8 Blue metal 0 COAL, with water, but will not cake 0 In strong post, mixed with whin	Brought forward 8 5 Blue metal 0 5  COAL, with water, but will not cake 0 1  In strong post, mixed with whin	Brought forward 8 5 0 Blue metal 0 5 0 Blue metal 0 5 0 COAL, with water, but will not cake 0 1 6 In strong post, mixed with whin	Brought forward 8 5 0 7 Blue metal 0 5 0 Blue metal 0 5 0 COAL, with water, but will not cake 0 1 6 In strong post, mixed with whin 0  Total	Brought forward 8 5 0 7 0  Blue metal 0 5 0  COAL, with water, but will not cake 0 1 6  In strong post, mixed with whin 0 0

### No. 2,135.—WALLINGTON.

TOWNSHIP OF WALLINGTON, NORTHUMBERLAND.

Sheet 70 of Ordnance Map. Lat.

, Long.

#### First Place, in the West Plantation.

				`				Fs.	Ft.	In.	Fs.	Ft. I	n.
Soil							 ***	0	1	0			
Stony cl	ay,	with	beds of	sand a	and	water	 	2	0	0			
Whin							 	0	0	9			
Stony cla	ay						 	0	4	3			
Whin							 	0	1	0			
Stony cl							 	2	5	0			
In whin							 	0	0	9			
											6	0	9
1				Tota	al		 				6	0	9
													_

#### No. 2,136.—WALLINGTON.

TOWNSHIP OF WALLINGTON, NORTHUMBERLAND.

Sheet 70 of Ordnance Map. Lat. , Long.

Second Place, in the Park, South-west from the Hall.

Approximate surface level feet above sea (Ordnance datum).

Soil										Fs.	Ft.	In.	
Stony clay				•••			2	0	ŏ				
Brown and	blue	ramble,	mixed	with clay	and	water	3	3	0				
Stony clay				***									
Clay, with													
In stony cla	ıy	• • • •		***		***	2	4					
										19	1	0	
			Total	•••	•••				=	19	1	0	

#### No. 2,137.—WALLINGTON.

TOWNSHIP OF WALLINGTON, NORTHUMBERLAND.

Sheet 70 of Ordnance Map. Lat. , Long.

Bored Two Little Holes North-east from the First Hole, in the Plantation, and put off by whin tumblers.

Approximate surface level feet above sea (Ordnance datum).

#### No. 2,138.—WALLINGTON.

TOWNSHIP OF WALLINGTON, NORTHUMBERLAND.

Sheet 70 of Ordnance Map. Lat.

, Long.

Third Place, in the Bought Leases.

Soil Stony clay,		 mix		oravel.	Fs.			Fs.	Ft.	In.
water				 -	1	2	3			
Grey post to	imblers			 	 0	1	0			
Stony clay			:	 		1				
Whin				 	 0	0	3			
					-		_	2	0	0
			Total	 				2	0	0

# No. 2,139.—WALLINGTON.

TOWNSHIP OF WALLINGTON, NORTHUMBERLAND.

Sheet 70 of Ordnance Map. Lat.

, Long.

Fourth Place, in t	he Bought Leases. eet above sea (Ordnance datum).
Fs. Ft. In. Fs. Ft. In.   Soil	Brought forward 12 1 0  Brown and grey scamy post, and set away the water 0 4 0  Strong brown post 1 1 0  Grey and brown post, with metal partings 0 4 0 14 4
Carried forward 12 1 0	Total 14 4
No. 2,140.—W. TOWNSHIP OF WALLING: Sheet 70 of Ordnance Map. L  Fifth Place, bored in the Bought Lea. Approximate surface level	ron, northumberland. at. , Long.
	Fs. Ft. In.
Strata	3 3 4
No. 2,141.—W. TOWNSHIP OF WALLING: Sheet 70 of Ordnance Map. I  Bored in Eli Approximate surface level for	Lat. , Long.
Brown post	Fs. Ft. In. Fs. Ft. In 0 2 6 0 0 6 0 1 3
Grey metal	0 4 3
Total	<u>0 5 0</u>
No. 2,142.—W. TOWNSHIP OF WALLINGS	
Sheet 70 of Ordnance Map. La	, Long.

Bored Two Little Holes near the Ice-house, and put off by whin tumblers. Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. 4 4 0

### No. 2,143.—WALLINGTON.

TOWNSHIP OF WALLINGTON, NORTHUMBERLAND.

Sheet 70 of Ordnance Map. Lat.

, Long.

Sixth Place, about 40 yards North-east from the Ice-house.

Approximate surface level feet above sea (Ordnance datum).

		F	. Ft.	In.	Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In
Soil		. 0	1	6		Brought forward 8 3 4
Blue stony	clay	. 1	4	6		Brown freestone 0 0 8
Gravel, with	h water	. 0	2	0		Stony clay 1 0 0
Sand and gr						Strong grey freestone 0 0 8
Stony clay			-			Stony clay 2 0 4
mixture o	of sand	. 0	2	0		Limestone 0 1 2
Blue stony						Stony clay 5 0 0
Limestone		. 0	1	0		Stony clay, with beds
Blue stony	clay	. 1	5	0		of sand and water 2 0 8
Grey freesto	one	. 0	0	9		In whin 0 0 2
Stony clay		. 0	1	3		19 1 (
Limestone		. 0				
Carried	forward	8	3	4		Total 19 1 (

#### No. 2,144.—WARDEN.

TOWNSHIP OF NETHER WARDEN, NORTHUMBERLAND.

Sheet 85 of Ordnance Map. Lat.

, Long.

Bored at Warden, near Hexham, upon Mr. Nicholas Leadbitter's Property.

Approximate surface level feet above sea (Ordnance datum).

				Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil and gravel	 		 	1	0	0				
Hard fine freestor			 	5	0	8				
Blue plate					3					
Freestone	 	***				6				
In dark blue plate	 		 	0	1	0				
Strata proving to										
hole was stoppe										
to lie at	 		 	16	0	6	0.1		_	
					_		31	0	0	
									_	
	Total						31	0	0	

# No. 2,145.—WARDLEY.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 57′ 6″, Long. 1° 31′ 24″.

Section of Strata sunk through at Wardley Colliery, near White Mare Pool, Durham.

Approximate surface level feet above sea (Ordnance datum).

IIPPIONIMACO SUIZUCO		or are see (oranized autum).	
Fs. Ft. In.	Fs. Ft. In.	Fs. Ft. In. Fs. Ft.	In.
Soil 0 1 0		Brought forward 32 0	$9\frac{1}{2}$
Blue clay 1 2 0		Grey post 1 0 $5\frac{1}{2}$	
Dun post 1 5 0		Grey metal, and post	
Blue metal, with iron-		girdles 0 3 5	
stone and girdle		Blue metal 1 1 10	
balls 1 3 0		Black stone 0 2 0	
COAL 0 1 3		Grey metal 1 0 8	
	5 0 3	White post 0 3 0	
Grey metal, with iron-		Grey post 1 2 4	
stone balls 0 2 6		Blue metal 0 0 8	
COAL 0 1 9		White post 4 5 5	
	0 4 3	White post 4 4 1	
Fire clay 0 5 0		Strong grey metal 0 3 0	
Grey metal 0 2 0		Strong grey metal 4 3 6	
Brown whin 0 1 4		Strong white post 3 0 9	
Grey post, with whin 0 2 8		Grey metal 0 1 2	
Grey metal, with		Post, mixed with whin 4 3-6	
water 1 3 6		COAL 0 0 5	
Post, with metal part-		29 0	21/3
ings 0 4 0		D ( - 1 1' 0 4 9	-2
White post, with		Post and whin 0 4 2	
water 4 4 0		Blue metal 2 0 5	
Blue metal 0 2 4		COAL 0 0 10	_
COAL 0 0 8		2 5	5
o o o	9 1 6	Black stone 0 0 9	
Thill stone 0 4 0	0 1 0	Seggar clay 0 4 6	
0 11 1 0 5		White post 9 2 0	
0041		Blue metal parting 0 0 5	
COAL 0 0 5	2 1 10	White post 4 5 0	
Thill stone 1 0 0	2 1 10	Strong grey metal 2 5 0	
		Grey post 1 4 0	
0 0 10		Blue metal 0 4 0	
COAL 0 0 10	4 3 6	COAL 0 1 4	
	4 5 0	20 3	0
			_
0041			
COAL 0 0 9	0 7 7	Strong thill stone,	
	2 5 5	with iron and post	
Thill stone 1 3 2		girdles 2 0 8	
Black stone 0 3 0		Blue metal 1 1 0	
COAL 0 1 1	0 1 0	Strong grey metal,	
0.000	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	with whin girdles 1 3 0	
Seggar clay 0 3 0		Dark blue metal 0 4 8	
Grey metal 1 3 0		COAL 0 0 2	0
Strong post 0 2 6		5 5	0
Grey metal 2 0 5		Seggar clay 0 2 0	
Ft. In.		Grey metal 2 0 0	
COAL 1 4		COAL 0 0 1	7
Band $0.10\frac{1}{2}$		2 2	1
COAL 0 5		Black stone 0 0 7	
Stone band 0 1		Strong thill stone 0 4 6	
COAL 1 2		Whin girdle 0 - 1 6	
0 3 10		COAL 0 0 8	
	$5 \ 0 \ 9\frac{1}{2}$	1 1	3
Carried forward	$32 \ 0 \ 9\frac{1}{2}$	Carried forward 93 5	9

# No. 2,145.—WARDLEY.—CONTINUED.

	,					
Brought forward	Fs.	Ft. In	Fs.	Ft	In.	Fs. Ft. In. Fs. Ft. In.
O 1 1	0	1 1	93	5	9	Brought forward 3 5 $2\frac{1}{2}$ 124 0 $3\frac{1}{2}$
TITY FI	0	5 9				Grey post 0 2 5
α .	ő	$\begin{array}{cccccccccccccccccccccccccccccccccccc$				Grey metal 0 3 5
	0	$\frac{2}{2}$ $\frac{2}{4}$				Grey post 1 ·1 0
Whin	0	0 4				Blue metal 0 3 3
	0	4 0				COAL—Top portion
Grey metal	0	0 1				of High Main Coal
COAL		0 1	2	3	- 9	Seam 0 1 0
Seggar clay	0	1 8		U	- 3	6 4 31
0 1	ő	3 0				~
	ő	3 6				Seggar 0 1 2
White post Whin	0	1 6				COAL 0 0 1
XXXI *1	ĭ	2 0				0 1 3
Char motal	ō	3 10				Seggar 0 0 11
COM	ő	0 10				Strong grey post 4 0 2
COAL		0 10	3	4	4	Grey metal 0 0 2
Seggar, with ironstone	0	4 0	U	-20	-30	White post 1 0 4
CI.	2	0 0				Blue metal 0 2 7
	ō	2 5				
White post Blue metal	0	1 10				COAL 0 2
COAL	0	0 3				1 =
COAL			3	2	6	Dark seggar band 0 34
Dark seggar	0	0 10	9		J	COAL
Strong grey post	3	0 2				1
Whin	ő	2 0				$ 0.2 2\frac{1}{2}$
Blue metal	Õ	5 8				
Splint	0	0 1				Dark seggar 0 2 3
			4	2	9	Coarse seggar 1 0 2
Light seggar	0	2 5	_			Grey metal and grey
White post	0	3 0				post girdles 2 2 9
Blue metal	0	0 9				Blue metal, with iron-
Grey post	0	2 9				stone band 0 2 3
Grey metal	0	1 5				
Grey post	0	3 11				Lower portion of
Blue metal	0	1 2				High Main Coal
COAL	0	0 8				Seam—
			2	4	1	Ft. In.
Strong seggar	0	4 0				COAL 0 1
White post	0	1 2				Dark seggar 1 0
Grey metal	0	3 4			-	COAL 1 8
COAL	0	0 6				0 2 9
			1	3	0	4 4 2
Dark seggar, mixed						
with coal pipes	0	3 9				Dark seggar 0 5 0
Grey metal and whin	0	4 8				Blue metal 0 4 10
Grey post	0	1 5				Grey post 1 0 2 Grey metal 0 1 3
Blue metal	0	1 5				Grey metal 0 1 3 Grey post and metal
Grey post	0	0 9				girdles, from 8 to 10
Grey metal	0	1 10				1 1 11:1
Grey post	0	0 9				C
Grey metal	0	2 5				Blue metal 0 4 6 Blue metal 0 4 9
Post	8	2 7				Ft. In.
Black stone	0	2 5				COAL 0 3
COAL	0	$0   1\frac{1}{2}$		4	11	Seggar 0 4
Dayly gorgen	_		11	4	11/2	COAL, coarse 2 3
Dark seggar	0	0 6				
Grey motel	1	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				0 2 10
Grey metal	0					8 0 7
Blue metal	1	5 4				
Carried forward	3	5 91	194	0	21	Carried forward 149 4 111
Carrica for ward	o	5 21	144	U	07	Carried forward 149 4 111

# No. 2,145.—WARDLEY.—Continued.

Fig. Fig. 1. Fig. Fig. Fig. 1. Fig. Fig. Fig. 1. Fig. Fig. Fig. 1. Fig. Fig. Fig. Fig. Fig. Fig. Fig. Fig						
Strong blue metal   1 2 7   2 7   2   2   2   3   4   3   2   4   4   5   5   5   5   5   5   5   5		$149 \ 4 \ 11\frac{1}{2}$	Brought forward	Fs. Ft 9 3	In. Fs. 1 171	Ft. In. $0.7\frac{1}{2}$
Strong dark seggar	Strong blue metal Very dark metal	1 3 2	Black stone 0 2	•		
Strong dark seggar	COAL		Band seggar 0 9			
Coarse seggar	Strong brown post	0 2 0	Band $0 \ 0\frac{1}{2}$			٠
Coarse seggar		0 0 1		0 5		9 01
Strey metal	Coarse seggar	0 2 5			0	2 02
Stone   Ston	Grey post	0 2 2	Blue metal, with beds	0 1	10	
Grey post	Grey post	0 4 10	stone			
White post	Grey post	0 4 9	Strong dark socgar	0 3	_	3 4
Richestone   Coal   C	White post	0 0 1	Grey post	2 1	10	
Blue metal	Blue metal	0 4 2	OOAL	0 0		1 11
Dark seggar	Blue metal	0 0 11				
Dark blue metal			Blue metal	0 1	. 6	
COAL	Dark blue metal	0 2 8	Dayly gorgery	0 9		5 3
Blue metal	COAL 0 2		Grey post	0 2	0	
Seggar     0   5	COAL 0 1		Blue metal			
Seggar	0041		Secon clay	0 1		4 11
Seggar	Seggar		Grey post			
Grey post, with white post girdles	Grey post and metals Whin	0 0 6	with whin Grey post	1 3	9	
Seggar	girdles	2 4 4	Grey post, with white			
Blue metal     0   4   3   3   3   3   4   5   5   5   5   5   5   5   5   5		3 4 5				
White post 0 0 10 Blue metal 0 0 9 Ironstone 0 0 8 Grey post 0 5 3 Blue metal 1 4 9 Grey post 2 1 6 Grey post 2 1 6 Grey metal 1 0 2 Blue metal 1 0 2 Blue metal 0 3 2  Splints 0 4 COAL 3 4	Blue metal	0 4 3	Ft. In.			
Tolstone	White post Blue metal	0 0 10 0 0 9		0 3	8	
Blue metal 1 4 9 Grey post 2 1 6 Grey metal 1 0 2 Blue metal 0 3 2  Dark seggar 0 4 5 COAL, black shade 0 1 5 Dark seggar 0 2 6 Grey metal 0 2 9	Black metal	0 0 8	Light garger		10	2 1
Grey metal        1 0 2       Dark seggar        0 2 6         Blue metal        0 3 2       Grey metal        0 2 9	Blue metal	1 4 9	Dark seggar ·	0 4	5	
Carried forward 9 3 1 171 0 7½ Carried forward 2 1 3 204 2 11	Grey metal	1 0 2	Dark seggar	0 2	6	
	Carried forward	9 3 1 171 0 71	Carried forward	2 1	3 20	4 2 11

#### No. 2,145.—WARDLEY.—Continued.

Brought forward Strong white post Grey metal		Brought forward 3 5 7 204 2 11 Strong grey metal, with grey post girdles 1 2 2
Seggar		5 1 9
Carried forward	3 5 7 204 2 11	Total <u>209 4 8</u>

#### No. 2,146.—WARKWORTH.

TOWNSHIP OF WARKWORTH, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat.

, Long.

An Account of Borings at Warkworth Harbour for Water, by Edward Wilkinson. No. 1 in Well at Gas-works. December 22nd, 1884.

Approximate surface level feet above sea (Ordnance datum).

Blue metal		Brought forward 3 0 0 1 1 6½  White clay 0 1 3
Grey metal and girdles Hard grey post		Whin 0 0 11 Grey post 0 2 10 Grey metal and girdles 1 5 4 11
Carried forward	$\overline{3} \ 0 \ 0 \ \overline{1} \ 1 \ 6\frac{1}{2}$	Total $\frac{7 \ 0 \ 5\frac{1}{2}}{}$

#### No. 2,147.—WARKWORTH.

TOWNSHIP OF WARKWORTH, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat.

, Long.

No. 2 Borehole, against the Harbour Office. April 20, 1885.

	* *								
Soil		,				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
	• • •	***	1		0				Brought forward 0 3 0 13 4 9
Brown clay			0	3					Grey metal 0 2 3
Grey metal			1	3	0				White post 1 0 0
COAL			0	1	10				Hard grey metal 0 5 0
			_			3	4	10	Grey metal and girdles 0 2 6
Grey post			0	=		U	T	10	Hard light post and
COAL	• • • •	•••	_		0				
COAL	***	• • •	0	1	2		_		water 2 0 9
***				_		1	0	2	Hard light post 3 1 9
Fire clay			0	3	0				COAL 0 0 4
Grey and b		tal	1	5	6				8 3 7
Grey metal	and oi	rdles	3	Ö	6				0 0 7
Grey post				4	6				D 1 1
		•••							Dark and grey metal 1 0 8
Grey metal		• • •	0	3	6				Blue metal 0 5 6
White post		***	1	0	0				Grey metal and girdles 0 5 8
Grey metal			0	4	0				Grey post 1 1 0
Blue metal			0	1	6				Grey metal 0 2 6
COAL		•••	0	1	3				Hard white post 1 5 0
		•••		_		8	5	9	Andrea in the later of the late
Fire clay			_	0		G	U	J	COAL 0 2 2½
		• • •	0	2	6				
Hard post	girdles	3	0	0	6				
~ .					_	_			-0.0101
Carrie	d forw	ard	0	3	0	13	4	9	Carried forward 29 0 10½
									1

#### No. 2,147.—WARKWORTH.—CONTINUED.

Brought forward Fire clay 0 Very hard post 1 Open panel, with	0 10 3 4	Brought forward 1 4 6 29 0 10½  White post 0 3 0  Very hard whin (May 5th, 1885) 0 0 11
water 0		2 2 5
Carried forward 1	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Total 31 3 3½

## No. 2,148.—WARKWORTH.

TOWNSHIP OF WARKWORTH, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat. , Long.

No. 3 Borehole, at South end of Cottages.

Approximate surface level feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs. Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Tumbling stone a	and						Brought forward 6 1 7
sand		1	4	0			Coal pipe $0 0 2\frac{1}{2}$
Grey metal		0	5	0			Fire clay 0 5 3
White post		1	5	0			White clay and post 0 3 0
Blue metal		0	0	6			Blue and grey nretal
							girdles 1 2 6
							girdles 1 2 6 White post 0 0 6
							9 1 01
Carried forwar	·d	6	1	7			Total 9 1 $0\frac{1}{2}$

#### No. 2,149.—WARKWORTH.

TOWNSHIP OF WARKWORTH, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat. , Long.

No. 4 Borehole, against Link Cottages.

Sand and clay		Ft. In. 3 6	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 1 0 8 6 1 4
Brown clay		2 0				Dark grey post 1 2 0
COAL, soft	_	1 10				Dark metal 0 5 0
		- 10	1	1	4	Blue metal 0 4 0
Dark clay	0	2 0	_	_	-1	Black stone and coal 0 1 0
Grey post and metal						Clay and post 0 2 0
	2					Dark metal 0 4 0
COAL	0	0 4				Grey post 1 1 0
			5	0	0	White post 1 1 0
Fire clay	0 4	4 8				7 2 8
Post and clay	0	2 0				
Carried forward	1	0 8	6	1	4	Total 13 4 0
21121304 202 11424	_		9	_	2	10001

# No. 2,150.—WASHINGTON.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat.

Long.

Bored by T. Rawling on Washington Ground, about 100 yards East of Oxclose House. June 11th, 1760.

	Fs.			Fs.	Ft. I	n.	Brought forward Fs. Ft. In, Fs. Ft. In. 45 4 5
Strong clay, with a siping of water near the bottom 1	.0	3	0				Grey metal, with girdles and catheads 4 3 6 COAL 0 2 0
Strong clay, mixed	1	0	0				4 5 6
Soft black metal	0	0	5		0.1		Grey metal 1 4 0 COAL 0 1 5
	1		0	12	0 1	1	1 5 5
Grey metal stone Soft grey scamy post, with blue scamy	0	5	0				Grey metal 3 3 0 Strong white post 0 1 6
partings	1						Whin 0 2 9 Grey metal stone 0 4 0
Strong white post White and grey post, with blue scamy partings, coal pipes,	0	1	0				Whin 0 0 10 Strong blue grey metal stone, with grey
and sulphur with			_				post girdles near the bottom 3 5 6
water 1						j	Thready grey post, settled the water 0 2 6
Soft black metal, with			-0	17	2 1	11	Strong grey metal 2 3 0
	0 3	$\frac{1}{3}$	6				Black metal 0 0 6  Ft. In.
Black grey metal stone Grey post, with scamy	3	2	6				brown scames 2 0 Grev metal 0 5
partings Grey scamy metal	3	0	0				COAL 1 5 Grev stone 0 3
stone White post, with water	0 4	5	3				COAL 2 5 
Grey metal, scared			Ĭ		•		13 0 1
with coal	0	0	6 2				Black metal 0 0 1
Black metal, mixed with coal	0	0	8				Grey metal 0 2 9
COAL, coarse at the							0 2 10
top	0	2	0	16	0	7	-
Carried forv	var	d		45	4	5	Total <u>66 0 3</u>

## No. 2,151.—WASHINGTON.

#### TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat.

, Long.

Bored in the Second Place in Washington Grounds, in the South-east part of the Old Engine Field. March, 1761.

 ${\bf Approximate~surface~level} \qquad {\bf feet~above~sea~(Ordnance~datum)}.$ 

0.11				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In
Soil	0	1	0				Brought forward 15 1 11 30 5 Black metal, scared
Brown and blue stony clay	1	0	0				0.0 5
Strong stony clay,	-						Five-Quarter Seam—
with whin tumblers	2	0	0				COAL, foul,
Strong stony clay	8	5	0				with brassy Ft. In.
				12	0	0	scare bands 0 5
Soft grey metal	2	5	3				Grey metal,
COAL, foul at the			_				scared with
bottom	0	0	9		^	^	coal 0 4
Community with most			_	3	0	0	COAL, foul 0 5
Grey metal, with post	0	5	3				A brassy lump or girdle 0 1
girdles COAL, foul	0	0					or girdle 0 1 COAL 1 8
00AL, 1041				0	5	7	— 0 2 11
Grey metal	1	1	6	Ť		·	15 5 8
Grey and brown gul-							Grey metal 1 0 0
lety post, with blue							White post 0 2 0
cashy partings and							Grey metal stone, with
sulphur	0	5	6				some black scames
Blue grey scamy stone	1	4	0				near the bottom 3 0 9
White and grey scamy							COAL 0 1 3
post, with open gullets and water	0	5	3				0 0 0
Blue metal	0	1	6				D11
White and grey post,	Ŭ						Grey metal, with gir-
with water	3	3	8				dles or lumps 0 5 6
Blue grey seamy stone	0	4	6				Strong white post 0 2 0
Grey coal pipy post	0	3	0				Grey metal, with a
Grey and white post	0	3	0				strong girdle at the
Grey post, with black		^	_				bottom 0 0 9
scames	1	0	0				COAL, with water or
Grey and white post	3	3	10				sulphur 0 0 8 3 3 7
COAL		U		14	5	9	
Blue metal, with scares				TT	U	0	Grey metal, with girdles or lumps 0 4 10
of coal	0	1	6				Strong grey metal
Blue grey metal, with							post, or grey post 8 2 0
girdles or lumps	2	1	6				Grey metal stone 1 0 0
Blue grey metal stone	4	5	0				Blue and black metal 0 0 6
Strong girdle stone		-3	0				Main Coal Seam—
Blue metal stone	1	2	0				Ft. In.
Grey scamy post	0	3	0				COAL 2 1
Strong white post, mixed with whin	0	1	2				Grey and blue metal 0 4
Black stone	0	0	9				metal 0 4 COAL 1 8
Strong white post,							Blue metal 0 1
mixed with whin							COAL 2 6
girdles and scamy							1 0 8
partings and water							11 2 0
in some places	5	2	0				In grey metal 0 0 10
Country formers	15	1	11	20		4	Total 66 3 0
Carried forward	19	T	TT	30	5	4	Total 66 3 0

## No. 2,152.—WASHINGTON.

#### TOWNSHIP OF WASHINGTON, DURHAM.

Sheet of Ordnance Map. Lat. Long.

Third Place in Washington Ground, 7 chains to the West and 2 chains to the North, from an Old Pit in the South-east corner. January 25th, 1762.

Soil and soft brown clay   C													
Soil and soft brown clay 0 2 0 5		Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft. In.
Stony clay	Soil and soft brown								1	2	2	35	3 7
Stony clay, mixed with gravel       0	clay			_					3	5	0		
Gray clay       0   1   6     6     5   6     5   6   5   6   5   6   5   6   5   6   5   6   5   6   5   6   5   6   5   6   5   6   6	Stony clay	5	2	0				Grey scamy stone,					
Gray clay       3   1   6	Stony clay, mixed with								2	0			
Soft grey metal		0	1	6				COAL, foul	0	0	6		
Grey scamy stone   1   3   0	Stony clay	3	1	6					_			7	1 8
Grey and blue metal, with a strong girdle in it				_	9	1	0	Soft grey metal	0		2		
Grey and blue metal, with a strong girdle in it	Come account atoms	1	9	Λ				COAL, hard splinty	0	2	8		
with a strong girdle in it         3         3         0           Black metal, mixed with coal at bottom of rey metal         0         1         2           Grey metal         0         0         2         2           COAL         0         0         1         2           Black and blue slaty metal         0         0         2         6           COAL         0         0         9         0         3           White and grey metal, with girdles or catheads         0         0         0         0         0         1         3           Grey metal stone         1         0         0         6         0         0         0         1         3         0         1         6         0         1         3         0         1         6         0         1         1         0         1         6         0         1         1         0         1         8         6         0         0         1         0         1         8         1         0         1         2         6         6         0         0         1         3         0         1         2         6         6         0 <td></td> <td>1</td> <td>9</td> <td>U</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0</td> <td>3 10</td>		1	9	U								0	3 10
## COAL								White post	1	3	0		
Black metal, mixed with coal at bottom   0	,	9		^				COAL	0	2	3		
Grey metal   mixed with   coal   at bottom   o   1   2   2   2   2   2   2   3   4   4   2   2   4   4   4   4   4   4		ð	3	U								1	5 3
COAL       0   1   2   2   2   2   2   2   2   2   2		0	7	0				Grev and blue metal	0	1	6		
COAL       0   2   2   2								0.00	_		_		
Black and blue slaty metal	00'41			_					_			0	1 11
Soft grey metal, with scares of coal	COAL	0	1	0	_	4	4	Hard brassy girdle	0	0	2	J	
Mark and blue staty metal       0   2   6   6   6   6   6   6   6   6   6				_	5	4	4						
Soft grey metal, with scares of coal									_			0	1 6
White and grey metal, with girdles or catheads 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								Soft gray metal with				•	1 0
White and grey metal, with girdles or catheads 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	COAL	0	0	9					0	1	2		
White and grey metal, with girdles or catheads 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			_		0	3	3						
Grey metal stone     1 0 0   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	White and grey metal.							OOAL Seam		0		٥	1 8
Strong grey metal   1   2   6								Cnay matal	0	7		U	1 0
Strong white post with post girdles and water with post girdles at bottom with post girdles at bottom with post girdles with post girdles with post girdles with post with post girdles with water with post with post with post with post girdles with post with post girdles with water with post with water with with water with with water with with with with with with with with	1 1	6	Ο	0					U	1	U		
COAL, foul          0         0         6           Black metal, scared with coal          0         0         2           Grey scamy metal          0         0         2           Grey scamy metal          0         3         9           White and grey scamy stone, with post girdles and water         2         5         0           Blue metal          1         1         6           Grey metal and metal stone, with post girdles at bottom         2         5         0           Strong white post with post girdles         4         5         3           COAL          0         1         2           Grey metal          0         1         4           Grey metal          0								Strong grey metal	1	o	c		
Black metal, scared with coal 0 0 2   7 0 8   Grey scamy metal 0 3 0   Strong white post 0 3 9   White and grey scamy stone, with post girdles and water 2 5 0   Blue metal 1 1 6   Grey metal and metal stone, with post girdles at bottom 2 5 0   Strong white post 0 0 10   COAL 0 0 1 2   Grey metal stone, with post girdles at bottom 0 1 2   Grey metal stone, with post girdles 0 1 2   Grey metal stone, with post girdles 1 1 0   Into blue metal.									Т	2	0		
with coal        0       0       2         Grey scamy metal       0       3       0         Strong white post       0       3       9         White and grey scamy stone, with post girdles and water       2       5       0         Blue metal       1       1       6         Grey metal and metal stone, with post girdles at bottom       2       5       0         Strong white post       4       5       3         COAL        0       1       2         Grey metal        0       1       4         Grey metal        0       1       4         Grey metal        0       1       4         Into blue metal.        0       1       1         Int		U	U	U					0	7	4		
Grey scamy metal 0 3 0 8		Λ	0	9									
Grey scamy metal 0 3 0   Strong white post 0 3 9   White and grey scamy stone, with post girdles and water 2 5 0   Blue metal 1 1 6   Grey metal and metal stone, with post girdles at bottom 2 5 0   Strong white post 4 5 3   COAL 0 0 1 2   Grey metal 0 1 2   Grey metal stone, with post girdles at bottom 1 1 0   Into blue metal.	with coat	U	U	4	7	0	0		-	-	-		
Grey metal     0   1   2					- 1	U	0	COAL	U	U	0	-	F 10
White and grey scamy stone, with post girdles and water 2 5 0 Blue metal 1 1 6 Grey metal and metal stone, with post girdles at bottom 2 5 0 Strong white post 4 5 3 COAL 0 0 10 Grey metal 0 0 1 2 Grey metal 0 1 2 Grey metal stone, with post girdles at botne, with post girdles 1 1 0 Into blue metal.	Grey scamy metal	0	3	0					_	0		1	5 10
COAL       0 0 5   0 3 5	Strong white post	0	3	9							_		
Stone, with post girdles and water   2   5   0   0   3   5	White and grey scamy								-	-			
Grey metal and metal stone, with post girdles at bottom   0 1 2   3 0   4								COAL	0	0	5	_	
Blue metal 1 1 6 Grey metal and metal stone, with post girdles at bottom 2 5 0 Strong white post 4 5 3 COAL 0 1 2 Grey metal 0 1 2 Grey metal 0 1 2 Grey metal stone, with post girdles 1 1 0		2	5	0				2	_			0	3 5
Grey metal and metal stone, with post girdles at bottom 2 5 0   Strong white post 4 5 3   COAL 0 0 10   To post girdles 0 1 2   Grey metal stone, with post girdles 1 1 0   To post girdles 1 1 1 0   To post gi	Blue metal	1	1	6									
stone, with post girdles at bottom 2 5 0 Strong white post 4 5 3 COAL 0 0 10 10 Imps and white sparkles 0 1 4 Imps and white sparkles 0 1 4 Imps and white sparkles 0 1 4 Into blue metal.	Grey metal and metal												
Grey metal 0 1 2  Grey metal stone, with post girdles 1 1 0  Grey metal stone, with post girdles 1 1 0									0	1	8		
Strong white post 4 5 3		2	5	0									
Grey metal 0 1 2  Grey metal stone, with post girdles 1 1 0  Sparkles 0 1 4  Into blue metal.										_			
Grey metal 0 1 2 Grey metal stone, with post girdles 1 1 0	COAL	0	0	10				sparkles	0	1	4		
Grey metal 0 1 2 Grey metal stone, with post girdles 1 1 0				_	13	0	4					1	1 2
Grey metal stone, with post girdles 1 1 0	Guar matal	0	1	_				Into blue metal.					
post girdles 1 1 0		U	1	2									
		-	1	0									
Carried forward 1 2 2 35 3 7 Total 49 5 10	post girdles	Т	1	U									
Carried forward 1 2 2 35 3 7 Total 49 5 10					_							_	
	Carried forward	1	2	2	35	3	7	Total				49	5 10
											-		

## No. 2,153.—WASHINGTON.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat.

, Long.

Bored in the Fourth Place at Washington, on the Common, about 200 yards from John Burns' House. June 8th, 1762.

Stony clay, with beds	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward				Fs. 18		
of sand and water Stony clay, with a	5	3	0				White post, with water Grey metal stone, with	1	1	0			
mixture of sand Stony clay, with large	0	3	0				post girdles and metal partings	4	2	0			
tumblers	1	1	0				White and grey post	4	0	0			
Brown gravel or ramble, with water							COAL	0		9	13	0	9
which rose to the top	0	5	0				Soft grey metal			6			
Soft grey metal, with post girdles	0	2	8				Grey metal Grey metal stone, with	1	3	0			
COAL, with water	0	0	7	8	9	9	strong girdles Grey and white post,	6	2	0			
Black scamy stone	0	5	0	0	3	3	with strong girdles, coal pipy partings,						
Grey metal Strong grey metal	1	1	9				sulphur, and water Blue grey metal stone,	6	1	6			
stone Grey metal, with gir-	0	3	9				with girdles and water	5	0	0			
dles or catheads	4	5	0				Grey metal Grey metal stone	0	1 5	6			
COAL Ft. In.							Strong white and grey	0	5	0			
Blue metal 0 1 COAL 0 2	^	_	10				Strong grey metal stone, with post		Ü				
	0		10	7	4	4	girdles	1	5 1	3			
Soft blue and brown scamy metal	0	1	0				*			_	23	2	0.
Grey post	0	1					Soft blackish grey metal, with brown						
Whin, and set away the water at the	^	0	^				scames Strong white post,	0	2	0			
	0	0	9				with whin at the top	0	4	0			
White and brown post Grey metal, with	0	3	6				Grey metal stone, with girdles or lumps		4				
coal, hard brassy	0	$\frac{4}{0}$	9 4				COAL		Ô				_
Soft grey metal, with			—	2	1	4	Soft blue metal	0	0	4	1	5	5
water	0 2	0	9				Strong grey metal stone, with post		Ŭ				
Strong white post Blue grey metal stone	0	-	9				girdles Whin	7	3 2	0			
Dide giey metat stone			_			_	11 222						_
Carried forward	3	3	0	18	2	11	Carried forward	7	5	4	56	5	1

# No. 2,153.—WASHINGTON.—CONTINUED.

Brought forward Strong white post 0 3 0  Strong grey metal stone 4 3 6 A mixture whin girdle Grey metal stone, with hard girdles or lumps 1 4 6 Soft black metal 0 0 5	Brought forward 14 5 11 56 5 1  Main Coal Seam—  COAL 2 0  Soft grey metal 1 1  COAL 0 6  COAL, hard foul 0 11  Blue metal 0 1  COAL 2 6  — 1 1 2  In grey metal 1 1  To 1 0 1 0
Carried forward 14 5 11 56 5 1	Total <u>73 1 2</u>

#### No. 2,154.—WASHINGTON.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat.  $54^{\circ}$  54' 32'', Long.  $1^{\circ}$  3' 20''.

Bored at Washington Colliery, in the C Pit. July, 1769.

Sunk to the scaffold   Soft blue grey metal   1   5   9					· ·
Soft blue grey metal   1   5   9					
Brown post 1 1 6   COAL foul 0 0 9   3 5 3				0	
COAL   foul     0   0   9   3   5   3					COAL 0 1 8
Grey metal stone, with girdles   1 0 0 0   5 0 4   6   6   6   7 0 0   7 0   6   7 0 0   7 0   6   7 0 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0   7 0					
Grey metal stone, with girdles	0 0 0		5	3	
girdles          12         0         9           Grey metal, with water         1         3         0           Whin mixture          0         3         0           Grey metal stone, with girdles          1         3         9           Black metal          0         2         3           Grey metal, with girdles          2         0         9           Grey metal, with girdles          2         0         9           COAL          2         0         9           COAL          2         0         9           COAL          2         6         6           Soft black grey metal <t< td=""><td>Gray motal stone with</td><td>0</td><td>U</td><td>U</td><td>11</td></t<>	Gray motal stone with	0	U	U	11
Grey metal, with water 1 3 0       3 0       Grey metal stone       \$ 5 0 5       *         Whin mixture 0 3 0       Grey metal stone, with girdles 0 1 3       Whin mixture 0 3 0       Grey metal 2 5 6         Black mctal 0 1 3       COAL 2 3       Stone 0 2       Tt. In.         Grey metal, with girdles 2 0 9       COAL 1 7       Stone 0 1         COAL 2 6       COAL 2 6       COAL 2 6         Soft white metal 1 0 0       Stone 0 1       Stone 0 1         Grey metal stone, with water 4 1 0       Soft black grey metal stone, with hard girdles 1 0 0         Grey metal stone with water 4 1 0       Grey metal stone 1 3 0					
Whin mixture 0 3 0  Grey metal stone, with girdles 1 3 9  Grey metal, with girdles 2 0 9  Grey metal, with girdles 2 0 9  COAL 0 1 0  Grey metal stone, with water 4 1 0  COAL 0 2 0  Grey metal stone, with water 4 1 0  Grey metal stone, with water 4 1 0  Grey metal stone 1 0 0 0  Grey metal stone 1 1 0 0					Grov motel stone
Grey metal stone, with girdles          1         3         9           Black metal          0         1         3           COAL          0         2         3           Grey metal, with girdles          2         0         9           COAL          1         7         0         2           Grey metal, with girdles          0         1         0         0           COAL          0         1         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	Whin mixture 0 3 0				
girdles         1       3       9         Black metal         0       1       3       9         COAL         0       2       3         Grey metal, with girdles         2       0       9         COAL         1       7       0       1       0       1       0       1       0       0       0       1       0       0       0       0       1       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0 <td></td> <td></td> <td></td> <td></td> <td>Whili mixture U &amp; U</td>					Whili mixture U & U
Black metal 0 1 3   Stone   0 2 3   Stone   0 2 2   COAL   1 7   Stone   0 1   COAL   2 6   COAL   2					
COAL         0       2       3         Grey metal, with girdles         2       0       9         COAL         0       1       0         Soft white metal        1       0       0       2       0         Grey metal stone, with water        4       1       0       2       0       2       0         COAL         4       1       0       2       0       0       2       0         Strong grey metal stone, with hard girdles         1       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0					
Grey metal, with girdles 2 0 9 COAL 1 7 Stone 0 1 COAL 2 6 COAL	0011				
Grey metal, with girdles 2 0 9  COAL 0 1 0  Soft white metal 1 0 0 0  Grey metal stone, with water 4 1 0  COAL 0 2 0  Tool of the stone of	0 2 3		9	0	
dles         2       0       9         COAL         0       1       0         Soft white metal        1       0       0       2       1       9         Grey metal stone, with water         4       1       0       2       0       2       0       2       0         COAL         0       2       0       2       0       0       2       0         Soft black grey metal       stone, with hard girdles        1       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0 <td>Gray motal with giv.</td> <td>10</td> <td></td> <td>U</td> <td></td>	Gray motal with giv.	10		U	
COAL 0 1 0 2 1 9  Soft white metal 1 0 0 0  Grey metal stone, with water 0 2 0 5 3 0  COAL 0 2 0 5 3 0					
Soft white metal 1 0 0  Grey metal stone, with water 4 1 0  COAL 0 2 0  5 3 0  Soft black grey metal 0 2 0  Strong grey metal stone, with hard girdles 1 0 0  Grey metal stone 1 3 0	0011				
Soft white metal 1 0 0  Grey metal stone, with water 4 1 0  COAL 0 2 0  5 3 0  Soft black grey metal 0 2 0  Strong grey metal stone, with hard girdles 1 0 0  Grey metal stone 1 3 0	0 1 0		1	a	
Grey metal stone, with water 4 1 0 Strong grey metal stone, with hard girdles 1 0 0 Grey metal stone 1 3 0	Soft white metal 1 0 0	_	1	U	15 3 10
Water 4 1 0 strong grey metal stone girdles 1 0 0 Grey metal stone 1 3 0					Soft black grey metal 0 2 0
Stone, with hard girdles 1 0 0 Grey metal stone 1 3 0	1 1 0				Strong grey metal
5 3 0 Grey metal stone 1 0 0	0041				stone, with hard
Grey metal stone 1 3 0	0 2 0		2	Ω	girdles 1 0 0
Carried forward 41 4 3 Carried forward 2 5 0 59 3 6		9	3	U	Grey metal stone 1 3 0
Carried forward 41 4 3 Carried forward 2 5 0 59 3 6					
	Carried forward	41	4	3	Carried forward 2 5 0 59 3 6

^{*} Approximate sca level (Ordnance datum).

## No. 2,154.—WASHINGTON.—CONTINUED.

Brought forward 2 5 0 59 3 6	Brought forward 73 4 8
Soft grey metal partings, with whin gir-	Grey metal, with catheads I 0 0 Grey metal stone, with
dles and catheads 5 3 0  Ft. In.	post girdles 1 0 9
COAL 2 0 COAL, soft, with danty partings 0 9 COAL 1 5 Grey metal 0 3 COAL 0 7	COAL 0 4 Blue metal 0 2 Blue metal 0 4 COAL 0 5 Stone 0 3 COAL 1 2
050	COAL 1 2 0 2 11
Black metal, mixed	2 3 8
with coal 0 0 1 Grey metal, with hard girdles or lumps 4 4 9	Grey metal stone 1 1 0 Whin 0 2 2 Grey metal stone, with
Fb. In.  COAL 0 3 A hard girdle 0 2	post girdles 2 0 0 In COAL (15 inches), supposed to be the
COAL 0 11 0 1 4 5 0 2	0 3 9
Carried forward 73 4 8	Total <u>80 3 3</u>

# No. 2,155.—WASHINGTON.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat.

, Long.

# Sunk at Washington Colliery, in the G Pit.

		In. Fs. Ft. In.	D			In. Fs.		
Clay, with stones 1			Brought forward		3	6 32	3	6
Ramble stones	2 3	0	COAL (probably High	h				
Post	1 0	0	Main on Tyne)	0	0	10		
Black jointy stone	3 1	0	,			- 6	4	4
Post, with 18 inches			Soft blue stone	1	4	2		
of whin in the			Strong grey metal	1	0	0		
middle	7 5	0	Strong post	3	0	0		
Blue stone, with a			Scamy post	0	2	0		
griming of coal	2 0	0 '	Strong post	4	0	0		
Grey metal	2 0	0	Black stone	0	3	0		
COAL	0 0	6	COAL	0	1	8		
_		32 3 6				- 10	4	10
Soft blue stone	1 5	6	Thill	0	3			
	4 4	0	Whin		1			
-			***************************************	_	_			
Carried forward	6 3	6 32 3 6	Carried forward	0	4	6 50	0	8
0.0000000000000000000000000000000000000		0 0= 0	Carried for ward	0		0 00	Y	

## No. 2,155.—WASHINGTON.—CONTINUED.

T31 .		0 0 0 1		6 0 0 0		Ft. 0	In. 8	Brought forward 2 0 8 67 5 6  Whin, mixed with post 0 0 10  White post 0 5 10½  Grey girdly post 1 0 8  Grey and white post,  with partings 2 2 0  Whin 0 2 8  Grey girdly post 1 4 8  Whin 0 1 6
Grey metal		1	0	0				Brown post 0 4 0
Post, with						•		Black and grey metal 0 2 0
whin in th		4	-	0				Maudlin Seam-
Blue metal			0	0				Ft. In.
70 .			4	0				COAL, top 2 7
Post	•••	0	2	0				COAL, splint 0 43
Blue metal		Э	3	0				COAL, ground 1 31
COAL—H	-	-	0	_				Band $0  ext{ } 1\frac{1}{2}$
Seam		1	0		7.0		_	COAL, bot-
Sam To frest	Z ou s			_	13	3	0	tom 0 9
Sunk furt. Thill		0	2	0				$051\frac{1}{2}$
Black stone,	with whin	0	4	U				11 0 0
girdles		1	4	0				
girdies	***	1	4	0				
Carried	forward	2	0	8	67	5	6	Total <u>78 5 6</u>

## No. 2,156.—WASHINGTON.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat.

Long.

Sunk in the Staple in the H Pit, Washington New Colliery, from the High Main Seam.

Approximate surface level feet above sea (Ordnance datum).

Th:11	Fs.	Ft.	In.	Fs. Ft	. In.	Fs. Ft. In. Fs. Ft. Ir
Thill	U	1	Z			Brought forward 9 3 9
Black stone, with whin						Grey metal 0 1 6
girdles	1	1	0			Black stone 0 0 3
White post, the top	-		·			COAL — Maudlin
shivery, the bottom						Seam 0 5 0
whinny	1	1	7			10 4
Black stone	Ω	3	7			Thill 0 1 0
Blue stone, scared with		0	•			
	_		_			
whin and ironstone						Grey metal stone 1 4 0
Girdly and scamy post	1	3	0			Blue stone 0 2 0
Solid post, with whin						COAL 0 1 2
at bottom	0	4	C			3 2
	U	4	O			
Blue stone, with						Thilly stone 0 1 0
strong post girdles	- 1	2	6			
B 1 8	_		_			
Carried forward	0	3	0		r	Carried forward 0 1 0 14 0 8
Carried forward	9	9	9			Carried forward 0 1 0 14 0 0
						T

## No. 2,156.—WASHINGTON.—CONTINUED.

Brough	ıt forward			In.			In. 8	Fs. Ft. In. Fs. Ft. In Brought forward 19 4 11
White post								Grey post 1 0 0 Blue metal and whin 2 4 0
					1		3	Low Main Seam-
Grey post			3	0	. 1	2	Э	COAL 3 4
Blue metal, girdles		3	3	0				COAL, bot- tom 0 4½
ÇOAL		0	2		4	2	0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
(	Carried for	war	d		19	4	11	24 0 7

## No. 2,157.—WASHINGTON.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat.  $54^{\circ}$  54' 14'', Long.  $1^{\circ}$  31' 46''.

Account of the Strata sunk through in the I Pit, in Spennymoor Close, Washington New Colliery. Begun October 1st, 1818.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
From surface to stone	Brought forward 15 1 2 19 4 7½
head 10 2 11	White post 0 2 0
Soft blue metal 0 1 0	COAL 0 1 4
Soft grey metal, with	15 4 6
ironstone girdles 5 0 2	Black and grey metal,
COAL 0 0 5	with splinty coal
5 1 7	partings 1 1 0
Soft blue and grey	Strong grey metal
metal, with iron-	stone 0 1 8
stone girdles 2 3 6	Strong black and $1  1  2\frac{1}{2}$
Strong white post,	grey metal $\frac{5}{1}$ $\frac{1}{1}$
with whin girdles 0 4 5	Black and white post 3 0 0
Soft grey metal $0   0   2\frac{1}{2}$	Black metal stone 0 0 65
White post 0 0 9	COAL—Metal Coal
Grey metal 0 2 10	Seam 0 2 2
COAL 0 0 5	0 2 2 2 - 11 1 8½
- 4 0 1½	
Grey metal 0 3 10	
Grey metal 3 1 10	
Strong white post 9 3 8	Grey metal, with post
Grey slaty post, with	girdles 0 2 6
	Grey metal stone 1 0 6 Grey post 1 2 6
partings 1 3 0	Grey post 1 2 6
Grey metal stone 0 0 10	
	1 10 10 110
Carried forward 15 1 2 19 4 $7\frac{1}{2}$	Carried forward 4 5 9 46 4 10
*	

^{*} Approximate sea level (Ordnance datum).

## No. 2,157.—WASHINGTON.—CONTINUED.

Brought forwar			In. 9				Fs. Ft. In. Fs. Ft. In. Brought forward 7 2 9 56 1 3
Grey metal stone	. 0	3	0				Strong post girdle 0 0 10
	. 0						Grey metal 0 5 2
				5	4	3	Whin 0 0 11
Grey metal	. 1	2	0				Strong post girdle 0 1 5
Blue metal	. 0	0	10				Grey metal 2 1 10
Grey post	. 2	0	4				Strong girdles, with
COAL, splinty	_						brown post and
				3	4	2	whin 0 1 2
Grey metal	. 1	0	0				Blue metal, with iron-
Black stone	3	2	0				stone girdles 2 0 0
Whin	. 0	3	0				COAL - Main Coal
	0	1	0				Seam 1 0 8
Grey metal	_	2					14 2 9
	_						
Carried forward	7	2	9	56	1	3	Total 70 4 0

## No. 2,158.—WASHINGTON.

#### TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat.

Long.

# Boring made from the Low Main or Hutton Seam to the Beaumont Seam at $N\epsilon w$ Washington Colliery.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In
Thill 0 2 0	Brought forward 23 1 9½
Grey post, with whin	Marl 0 3 0
girdles 4 4 0	Whin 0 0 5
Black stone 0 1 0	Blue metal 0 2 0
Grey metal 0 5 9	Grey metal 0 4 0
White post, with whin	Grey metal 0 4 0 Blue metal 0 3 0
	Grey post 0 3 0
Whin 0 3 7	Whin 0 0 5
1171 1 1 1 0 0	White post, with whin
Fact III	
White post girdles, with partings 1 3 0	grades iii iii s ii =
1	Black stone, mingled
Blue stone, with post	with coal 0 1 4 Post 1 2 0
girdles 4 0 5	
Black stone, with	Blue metal 0 1 0
whin girdles 2 2 10	Post 0 3 0
White thill, with cat-	Grey metal 0 5 0
heads 0 3 0	Post, with whin gir-
Grey post, with whin	dles 1 2 0
girdles and sulphur 1 5 6	Black stone 0 2 0
Whin girdle $0  1  7\frac{1}{2}$	COAL — Beaumont
Grey metal 0 1 0	Seam $0 \ 2 \ 0\frac{1}{2}$
Grey post 1 0 0	31 5 2
Blue metal 0 2 7	Bored into thill 0 1 25
D1 1 1 0 0 0	Doled into thin
Black sand 0 3 0	
Carried formed 92 1 01	Total 32 0 41
Carried forward 23 1 $9\frac{1}{2}$	Total 32 0 43

#### No. 2,159.—WEST AUCKLAND.

#### TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Account of a Boring at West Auckland, about 20 yards to the East from the Hole formerly bored. July 15th, 1765.

Approximate surface level feet above sea (Ordnance datum).

Soil				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 1 5 6 6 0 6
Stony clay, mixed with sand							Grey metal stone, with brown scames 3 0 0
Sand and gravel, with water and a mixture							Grey metal stone 0 5 0
of gravelly clay							COAL 0 7
near the bottom							Black metal 0 2
Blue stony clay	Z	4	U	5	0	0	COAL, splinty with water 1 10
			_	U	U	U	COAL, with
Grey metal stone							much water
Black metal		0	6				at bottom 2 7
COAL	0	0	3	-	0	0	0 5 2
Brown and grey metal				1	0	6	6 3 8
stone	0	3	0				In strong stone 0 0 3
Brown post, with part-		-	-				
ings and water	1	2	6				
0 1 1 0 1	_	P	_	_			m / 1 10 / 5
Carried forward	1	5	6	6	0	6	Total 12 4 5

## No. 2,160.—WEST AUCKLAND.

TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Second Place, bored near West Auckland, in the North Field, about 200 yards to the East from the First Place.

Soil Brown stony clay, with a mixture of sand Sandy gravel Sandy gravel, with water Blue stony clay	0 0 1 0	2 0 3	0 0 0	Brought forward 2 1 6  Blue metal stone, with post girdles 2 1 6  Blue metal stone, with brown scames and scares of coal near the bottom 1 4 0  COAL, foul 0 1 10
				6 2 10
-			-	And the second s
Commind Communi	0	9 /	3	0 110 1 0 910
Carried forward	Z	1 (	)	Carried forward 6 2 10

# No. 2,160.—WEST AUCKLAND.—CONTINUED.

Brought forward Grey metal stone Blue metal stone, with							Brought forward 2 2 8 16 0 4 Strong grey metal, with post girdles
brown scames, post girdles, and water Grey metal stone COAL, with water	0	1	6	4	-	0	and water near the top 2 4 9  Blue grey metal 1 1 0  Soft black metal 0 0 1
Grey metal and metal stone Black slaty metal COAL	<b>4</b> 0	0	4	4		0	COAL 0 10 COAL, hard, splinty, coarse 0 2 COAL, with
Grey metal stone Grey gullety stone, with much water which rose to the top	0			4	4	6.	water, and rather splinty 1 0 COAL 3 4 0 5 4 7 1 10
Grey thready post, with water  Carried forward	0			16	0	<u>-</u>	Total 0 0 3

# No. 2,161.—WEST AUCKLAND.

TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Third Place bored near West Auckland, about 200 yards to the North from the Second.

	Ft. In. 1 0	Fs. Ft. In.	Brought forward Fs. Ft. In. Fs. Ft. In 8 0 3
Brown stony clay 1	2 0		Grey metal 1 0 0
Sand and gravel, with			Grey post 0 4 6
water 0	2 0		Grey metal 0 1 6
Sand and clav 0	2 0		Grey post 0 3 0
Brown stony elay 0			Grey metal 1 5 0
Sand 0			COAL 0 0 6
Brown stony clay 0	2 0		
Ramble, with water 1			Grey metal 2 0 0
Grey metal stone 1			Grey post, with water 1 3 8
	1 0	•	Grey metal 1 1 7
Grey scamy metal 1	3 0		Black and blue metal 0 0 6
COAL, with small			COAL 0 0 3
	2 3		5 0 0
		8 0 3	
Carried forward		8 0 3	Carried forward 17 2 9
2344204 204 11444			

#### No. 2,161.—WEST AUCKLAND.—CONTINUED.

Brought forward	Fs.						Brought forward 7 0 9 17 2 9
Grey metal					_	·	Ft. In.
Grey post	0	1	0				Soft black me-
Strong white post,	-		-				tal 0 1
with water	1	1	0				COAL 0 9
Strong white post,							Black stone,
mixed with whin	0	3	0				mixed with
Strong white post,							coal 0 2
with water	0	4	0				COAL, hard
Grey metal and metal							splinty 0 4
stone, with girdles	3	4	0				COAL 0 8
Blue grey metal							COAL, coarse,
- 8 - 9							splinty, with
							scares of brass 0 3
							COAL 3 4
							0 5 7
							8 0 4
							0 0 5
						_	
Carried forward	7	0	9 3	17	2	9	Total 25 3 6

#### No. 2,162.—WEST AUCKLAND.

TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Fourth Place bored at West Auckland, about 400 yards to the East from the Second Place, and about 200 yards to the North west from the Bridge.

						-
Fs. Ft. In. Fs. Ft. In.	Fs.					
Soil and clay 0 5 0 Brought forward				11	1	9
Gravel, with a siping Grey metal	0	1	0			
of water 2 0 0 Grey post	0					
Stony clay 0 1 0 Black grey metal	0	1	6			
Brown and grey COAL, with water	0	0	6			
rambly post 5 3 0		-	_	0	4	0
COAL 0 0 6 Grey metal	6	2	3			
— 8 3 6 Grey metal stone and						
Black stone 0 0 3 post girdles	4	0	U			
Strong grey post						
Grey metal of to						
COAL O 0 10	-	_				
0 2 7 Strong grey post, with water	0	3	0			
Grey metal 2 1 0 In grey metal stone		_	_			
COAL, with water 0 0 8 and post girdle	0	4	6			
2 1 8				12	2	3
· ·						
Carried forward 11 1 9 Total				24	2	0
			=			_

## No. 2,163.—WEST AUCKLAND.

#### TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

# Fifth Place bored at West Auckland about 200 yards to the North-east from the Third.

Soil and stony clay		In. 0 6	Fs.	Ft.	In.	Brought forward 3 3 0 22 2 0 Grey metal stone, with
(Numer model at one	2 3		2	0	6	girdles and water 0 3 0 Strong white post,
Grey metal stone COAL	0 0	6	2	3	6	with water 0 1 6 Grey metal 0 1 0 Strong white post,
Grey metal stone	1 0		4	o	O	mixed with whin 0 1 0 Whin 0 2 0
COAL	0 0	6	1	1	0	Grey metal stone 1 1 6 Grey post 0 1 0
Grey metal stone COAL	$\begin{array}{cc} 0 & 1 \\ 0 & 0 \end{array}$	0 3				Grey metal stone, with girdles 1 3 2 Black metal 0 0 1
Grey metal and metal			0	1	3	Ft. In.
stone Grey post	$\begin{array}{ccc} 8 & 5 \\ 1 & 1 \end{array}$					COAL, brassy 0 1
Grey metal stone, with girdles	1 3					scares of brass 0 8
Black metal COAL, with water	$\begin{array}{ccc} 0 & 0 \\ 0 & 2 \end{array}$	6				0 5 3
Grey metal stone, with			12	0	9	
girdles Grey post, with water		0				
Grey metal stone, with post girdles and water	2 1	3				
COAL, with water		9		1	0	
Grey metal stone, with		_	4	1	0	4
girdles and water Grey metal	3 0 0	0				6
Carried forward	3 3	0	22	2	0	Total <u>31 0 8</u>

#### No. 2,164.—WEST AUCKLAND.

TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Account of the Boring at West Auckland, in the High Blactens. March 18th, 1772.

Approximate surface level feet above sea (Ordnance datum).

				Fs. Ft. In.	Fs. Ft. In. Fs. Ft.	In.
Soil					Brought forward 25 2 5	
Stony clay	1	0	6		Grey metal 0 0 7	
Brown post, with					COAL 0 3 6	
metal partings and					26 0	6
water	6	0	0		Blue grey metal 1 2 6	
COAL, with water	0	0	6		White post, mixed	
Grey metal stone, with					with whin 9 2 6	
post girdles	3	2	6		COAL 0 1 3	
Black metal stone,				1	<del></del>	3
with water	0	1	0		Grey metal 0 0 9	
Blue and grey metal		0	0		Grey post 0 3 0	
Brown post, with					Grey metal stone, with	
water	0	4	6		girdles 2 4 0	
Dark grey metal, with				1-	COAL, foul 0 0 6	
post girdles and					3 2	3
water	6	1	6		Grey metal stone and	
Grey metal stone and					girdles 1 0 0	
post girdles	1	0	0		COAL 0 0 7	
White and grey post,					1 0	7
with water	0	1	6	,	Grey metal stone and	•
Grey post, mixed with					girdles 5 0 0	
whin and water	2	0	0		Black stone and coal	
Grey post, with water			0		pipes 0 1 6	
Grey post, mixed with	_	_	_		Grey metal 0 3 0	
whin	1	0	2	-	In grey scamy post 1 2 11	
Black metal stone	0	0	9		7 1	5
			_			
Carried forward	25	2	5		Total 48 5	0
· · · · · · · · · · · · · · · · · · ·		_			1000	

N.B.—This hole is at some distance North of the wood adjoining the turnpike.

#### No. 2,165.—WEST AUCKLAND.

TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Bored at West Auckland Townfield, about 100 yards South-west from the Town, by Thomas and G. Rawling. May 1, 1772.

Soil Stony clay	•••	•••		2	0	Fs. I	řt. I	In.	Gravel a	nď	sand,		0	5	0	Ft.
									water		• • •		1	0	6	
					_									-		
Carried	forward	1	0	5	Ò				Carr	ied	forv	vard	1	5	6	

# No. 2,165.—WEST AUCKLAND.—CONTINUED.

Brought forward 1 5 6  Leafy clay, mixed with sand 0 2 6 Blue leafy clay 0 5 0 Sand 1 0 0 Stony clay 3 4 0 Gravel and sand, with water 1 4 0 Brown and grey metal 1 2 6 COAL 0 0 3  Blue and grey metal 0 4 0 COAL 0 0 6	Brought forward Grey metal 5 1 9 Black stone 0 3 3 0  COAL 0 0 1  Grey metal stone 1 0 11  Grey metal and whin girdles 2 2 0 Whin 0 0 7 Grey post, with water 2 3 11  COAL 2 5 COAL 2 5 COAL 0 5  COAL 0 5  0 3 0
	In grey metal 6 4 5 0 1 1
Carried forward 11 4 3	Total <u>24 2 7</u>

## No. 2,166.—WEST AUCKLAND.

TOWNSHIP OF ST. HELEN AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in West Auckland Colliery, near St. Helen's Village, First Hole. June 19th, 1826.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Through the clay to	Brought forward 12 0 5
the bottom of sand 4 1 4	Metal stone 2 0 4
Blue strong clay 2 4 6	Black metal 0 2 0
Brown strong clay 1 1 3	COAL, with a metal
Brown metal, with	band 1 inch thick
water 1 2 2	from top 0 1 10
Metal stone, with iron	14 4 7
	Grey metal 0 3 0
Dark grey metal 0 0 9	Grey metal stone 0 2 0
girdles 1 4 0 Dark grey metal 0 0 9 Grey metal 0 4 5	0 5 0
Carried forward 12 0 5	Total 15 3 7
Carried forward 12 0 5	1.0041 1 10 5 /

## No. 2,167.—WEST AUCKLAND.

TOWNSHIP OF ST. HELEN AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Second Hole, about 72 yards to the South from the First, in the South-east Corner of the Field. July 10th, 1826.

Approximate surface level feet above sea (Ordnance datum).

Soil and stones	 	 	Fs. 1			Fs.	Ft.	In.
Sandy gravel and water	 	 	1	4	0			
Strong elay	 	 	0	5	0			
						3	3	0
						3	3	0
						Ě		<u> </u>

This hole was lost by the "bitch" being put down the hole.

## No. 2,168.—WEST AUCKLAND.

TOWNSHIP OF ST. HELEN AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Third Hole, 1 yard from the Second. July 13th, 1826.

Soil and sand Sandy gravel, with water Strong clay Sand, with water In strong clay		  	 Fs. Ft. In. 1 0 0 1 4 0 1 4 0 1 0 0 0 3 0			In.
	Total	 	 	5	5	0

## No. 2,169.—WEST AUCKLAND.

TOWNSHIP OF ST. HELEN AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Fourth Hole, about 15 yards South-west from the Third and 15 yards from South Hedge.

Approximate surface level

feet above sea (Ordnance datum).

Q *1									Fs.	Ft.	In.
Soil						 0	1	0			
Dry gravel											
Gravel, with	water					 1	3	0			
Strong clay	• • •		****			 0	3	0			
Strong clay,	with to	amblin	g stone	es	•••	 2	5	6			
					•				5	5	0
											_
			Total	***			• • •		5_	5	0

Lost the hole by breaking a large chisel.

#### No. 2,170.—WEST AUCKLAND.

TOWNSHIP OF ST. HELEN AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

#### Fifth Hole.

Soil		In. Fs. Ft. In.	Brought forward					Ft. In.
Rough gravel, with	0 1	U	Grey metal					2 0
tumbling stones	3 1	0	Blue and grey gullety					
Blue strong clay		0	whin	0	0	9		
Sandy gravel and			Grey metal stone and	-	,	0		
water			iron girdles					
Blue stone tumbler	0 1	6 .	Black and grey metal	0	1	6		
Gravelly clay	1 0	0	COAL - Yard Seam	0	3	7		
Strong clay Grey metal	1 3	6					5	3 11
Grey metal	1 0	0	Grey metal	0	2	0		
Dark grey and black			Grey metal stone	0	3	4		
metal	1 4	3	Grey and white post,					
COAL			with metal partings					
		11 2 8	and water		1	6		
Grey and dark metal								
Grey post, with water								
arej post, with water						_		
Carried forward	2 5	4 11 2 8	Carried forward	2	0	10	17	0 7

# No. 2,170.—WEST AUCKLAND.—CONTINUED.

				Fs.			Fs. Ft. In. Fs. Ft. In.
Brought forward	2	0	10	17	0	7	Brought forward 5 4 11 31 0 7
Strong white post and							Dark and black metal 1 0 0
whin, with much							Grey metal and metal
water which rose to							stone girdles 3 5 0
the top from 18 fms.							Strong white post,
4 ft. 6 in	6	4	7				with water and hard
Grey metal	0	1	0				whin 2 1 0
COAL		ī	1				COAL, hard and
				9	1	6	rather splinty 0 1 10
Grey metal, with				·	_	0	13 0 9
strong girdles	0	4	7				Grev metal stone and
Strong white post	0		4				whin girdles 1 2 0
	U	U	31				Whin girdles 0 0 3
Grey metal and whin	2	9	0				
0	4	4	U				Grey metal stone and
COAL Ft. In							girdles 1 2 0 COAL 0 0 6
Grey metal 0 2 COAL 0 5							2 4 9
COAL 0 5	_	_	-				Grey metal 0 3 0
	0	U	10				Grey metal stone 1 5 3
~				4	0	9	Whin 0 0 9
Grey metal		3	_				Grey metal stone 0 4 2 Strong white post 0 2 0
COAL	0	0	6				
				Q	3	9	3 3 2
Grey metal and post							
girdles	5	4	11				
Carried forward	5	4	11	31	0	7	Total 50 3 3

#### No. 2,171.—WEST AUCKLAND.

TOWNSHIP OF ST. HELEN AUCKLAND, NORTHUMBERLAND.

Sheet 42 of Ordnance Map. Lat. , Long.

Sixth Hole, on South Side of Gaunless, about 120 yards West from Railway Metal Bridge. Begun December 20th, 1826.

	Fs. F	t. In. F	s. Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0 3	0			Brought forward				11	4	6
Dry gravel	0 4	6			Darkish scared metal						
Gravel and water ·	3 5	0			and girdles	2	5	6			
Dry gravel, and stony					and girdles Black metal	0	0	3			
near the bottom	1 8	2			COAL, foul						
Gravel and sand, with					,				3	0	4
water	1 1	10			Grey metal stone						
Blue stony clay					girdles and water	i	1	0			
Sand and layers of					Strong white post						
clay	0 3	6			partings and water	0	5	0			
Leafy clay					Grey metal stone and						
Strong clay	1 3	6			whin girdles	4.	0	11			
<i>3 3</i> ····		1	1 4	6	Dark grey metal	î	3	3			
		_			Dark grey metar			_			
· Carried for	ward	1	1 4	6	Carried forward	7	4.	2	14	4	10
		-		. •	Carried for ward	•	1	-			

# No. 2.171.—WEST AUCKLAND.—CONTINUED.

Black metal and water at bottom	Fs. Ft. In. Fs. Ft. In. 7 4 2 14 4 10 0 2 3	Brought forward  Fs. Ft. In. Fs. Ft. In.  Grey metal, metal stone, and post gir-
COAL		dles 3 1 8
	8 1 1	Mixture whin and
Grey metal	0 0 10	grey post 0 1 2 Grey metal stone 0 1 10
Grey scared post and metal stone	1 0 10	Black and grey metal 0 2 0
Black metal and scares of coal COAL	0 0 6	COAL 3 10 COAL, foul 0 2
COAL	1 2 5	. — 0 4 0
		4 4 8
Carried for	ward 24 2 4	Total 29 1 0

## No. 2,172.—WEST AUCKLAND.

TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 41 of Ordnance Map. Lat.

, Long.

Strata bored through in the South District of West Auckland Colliery, near the Pumping Engine Pit, close by the Footpath at Evenwood. First Hole. 1835.

Fs. Ft. In.	. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Soil 0 1 0	Brought forv	vard 5 2 0 7 1 6
Strong blue clay 1 0 6		0 0 3
Gravel and water 0 1 4		0 2 6
Strong blue clay 5 4 8		0 0 2
	7 1 6 White post	0 4 7
Grey metal, with post	Grey metal	0 1 6
girdles 2 0 8		0 1 11
Whin 0 1 4		0 3 3
Grey metal, with post		7 4 2
girdles 1 2 0	Thill	0 5 10
Brown post 0 0 9		
Soft partings and	Metal parting	0 0 4
	7771 41 2	0 5 0
water 0 0 2	Metal parting	0 0 3
Brown post and a dry		1 9 7
gullet that set away	White post	1 3 1
the water 0 2 7		
White post 1 0 6		
	TD / 1	10 0 0
Carried forward 5 2 0	7 1 6 Total	19 0 0

#### No. 2,173.—WEST AUCKLAND.

#### TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 41 of Ordnance Map. Lat.

, Long.

Second Hole, south from the Engine, and South-west from the First Hole, in the North-west Corner of the Pasture Field. Begun May 14th, 1835.

Approximate surface level feet above sea (Ordnance datum).

Soil				In. 6	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In Brought forward 19 3 3
Blue clay		1						Blue and grey thill 1 2 6
Grey metal			2		•			Grey post 0 3 0
Brown post,	with							Brown partings and
water		2	5	7				water 0 0 4
Grey metal and	post							White post 0 3 0
girdles								Soft partings and
Blue metal								water 0 0 2
Grey post		1	1	0				White post 0 2 0
Blue metal, with	iron					•		2 5 0
girdles		4						
Black metal		1	1	4				
COAL		0	0	4				
				- :	19	3	3	
Car	ried f	orw	ard		19	3	3	Total 22 2 3

# No. 2,174.—WEST AUCKLAND.

#### TOWNSHIP OF ST. HELEN AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

An Account of Strata sunk through at Windlestone Wallsend Pit, West Auckland Colliery. November 28th, 1837.

Approximate surface level

feet above sea (Ordnance datum).

Brown soil Fs	. Ft.		Fs.	Ft.	In.	Brought forward		Ft.		Fs. 10		
Gravel, with water 3	0	0				Grey thill stone	0	3	0			
Strong gravelly clay 1	4	0				Grey metal stone	0	2	6			
Gravel 0	2	0				Brown post	0	5	6			
Strong gravelly clay 2	0	0				White post	2	2	0			
			7	3	0	Whin stone	0	4	6			
Blue metal stone 0						White post, with coal						
Whinstone girdles 0						pipes						
Grey post girdles 0						COAL	0	1	0			
Blue metal stone 0										8	5	0
Black metal stone 0						Grey thill stone	1	1	0			
COAL—Yard Seam 0	3	4				White post mixed						
-			3	0	6	with whin	0	5	0			
			_									-
Carried forwar	d		10	3	6	Carried forward	2	0	0	19	2	6

#### No. 2,174.—WEST AUCKLAND.—CONTINUED.

Brought forward			In.	Fs. 19		In. 6	Brought forward Fs. Ft. In. Fs. Ft. In. 39 2 9
Blue metal, with iron					_		Grey thill stone 1 1 0
oirdles	2	0	6				COAL (at the dip
Splint and coal	0	1	0				side of the shaft) 0 0 6
Dark grey thill stone	U	3	U				1 1 6
COAL	0	0	5				Blue metal stone 1 2 0
a 11 to 11				4	4	11	COAL 0 0 6
Grey metal stone and	63	0	0				1 2 6
post girdles Blue metal, with iron	2	0	U				Grey thill stone 0 3 0 Grey metal stone 1 0 0
	3	3	0				Grey metal stone 1 0 0 Blue metal stone 1 0 0
Black metal	0		0				White post 1 0 0
Grey metal and post							Blue metal stone 2 0 0
girdles	2	3	0				COAL (at the rise
White post, mixed							side of the shaft) 0 0 4
with whin and me-							5 3 4
tal partings	2	3	0				Grey thill stone 0 3 0
Grey metal, with iron-	0	_					White post stone,
DOCARO DOMESTICITA	$\frac{2}{0}$	0	0				with metal partings 4 1 0
Blue metal Grey metal and post	1	3	0				Blue metal 1 4 0 COAL 0 5 8
COAL (at rise side of	1	9	U				COAL 0 5 8
shaft)	0	0	4				7 1 8
	_			15	1	4	
							-
Carried for	war	d		39	2	9	Total 54 5 9

## No. 2,175.—WEST AUCKLAND.

TOWNSHIP OF

AUCKLAND, DURHAM.

Sheet of Ordnance Map. Lat.

, Long.

Account of the Boring near Royal Oak, West Auckland, the property of R. Surlees, Esq. March 28th, 1854.

Brown ramble 2 0 0 Brown and grey post 2 0 0	Brought forward  Fs. Ft. In. Fs Ft. In. 17 1 10  Grey post, with metal
Grey metal and post girdles 1 3 0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
White post, with water 2 2 0 COAL, foul 0 0 11 7 5 11	White post, mixed with whin, set away the water 3 2 0
Dark metal, mixed with coal 0 1 0	Grey metal stone 2 3 0 Black metal 0 3 6
Brown and grey post 2 0 6 Grey metal and post girdles 6 4 4	Into whin 0 1 0 — 8 1 6
Grey post 0 1 9 COAL, foul 0 0 4	
Carried forward 17 1 10	Total 25 3 4

## No. 2,176.—WEST AUCKLAND.

TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Strata bored through near Staindrop Field House, West Auckland Colliery. 1867.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	2	0				Brought forward	1	1	8	24	4	3
Brown post	1	0	2				White post, with coal						
White post, with black							pipes	1	1	2			
partings and water	0	5	9				Blue metal stone, with		_				
	ĭ	3	2				ironstone girdles	2	0	0			
Brown post								4	U	U			
Grey post	0	2	0				Grey post, with blue						
Brown post	1	U	10				metal partings and	_					
Grey post, with coal							water	1	2	4			
pipes	0	4	7				Grey metal	0	5	9			
Brown post	1	0	0				Blue metal	0	4	9			
Grey post, with black							COAL, with water—						
partings	1	4	10				Busty - bank Seam	0	4	3			
	0	2	4				Busing bank Scam		-		8	1	11
Cannel and coal	U	2	4	9	- 1	0	(Name 41:11 -4	_	0		G	1	11
****			_	9	1	8	Grey thill stone	0	3	0			
White post	0	0	8				White post	2	2	8			
Black stone	0	1	1				Grey metal stone, with						
Seggar clay, with iron-							post girdles	0	2	2			
stone balls near the							Strong grey metal	1	0	0			
bottom	0	3	10				Blue metal	0	2	3			
White post	0	3	7				Blue metal	1	0	0			
Strong brown post	Õ	0	9				Grey metal, with post	_		Ŭ			
White post	ŏ	4	5				girdles and coal						
	U	-30	U					1	1	c			
Grey metal stone, with	0	0	0				pipes	1	1	6			
post girdles	0	3	8				White post, with black	_	-	-			
White post, with							partings	3	1	0			
brown metal part-							Dark metal	0	1	0			
ings	0	3	11				COAL	0	0	3			
COAL	0	0	2								10	1	10
				3	4	1	Grey metal	0	4	4			
Grey thill stone	0	5	10				Blue metal	0	4	0			
Grey metal stone	2	0	7				Shaly brown post	Õ	3	6			
Blue metal, with iron-	dad	0	•				XXXX 4	1	0	Ü			
	9	1	c				TH. 1	0		0			
stone girdles	2	1	6				TOI 4 I	-	4				
COAL	0	1	1	_		_	Blue metal	0	4	2			
~			_	5	3	0	Cannel	0	0	3			
Grey thill stone	0	2	9				COAL	0	0	2			
Blue metal	0	3	4								4	2	5
White post	1	4	3				Blue metal	0	1	8			
Blue metal, with iron-							Cannel	0	0	8			
stone girdles	3	2	8								0	2	4
COAL	0	0	6				Black stone	0	0	4		-	
- · · · · · · · · · · · · · · · · · · ·				6	1	6	701	0	3	4			
Grow thill stone with				J		U	XX73.14	-		-			
Grey thill stone, with	0	9	4				White post	0	0	6	0	-	0
ironstone balls	0	2	4								0	4	2
Blue metal, with iron-	0	_	,										
stone girdles	0	5	4				S. C.						
											-		
Carried forward	1	1	8	24	4	3	Total				48	4	11
										=			-

## No. 2,177.—WEST HARTLEPOOL.

TOWNSHIP OF STRANTON, DURHAM.

Sheet 37 of Ordnance Map. Lat. 54° 40′ 4″, Long. 1° 12′ 11″.

Boring at Cement Works, West Hartlepool (Casebourne & Co.). 1887.

*** 11 1 1				s. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Well previously sunk		0			Brought forward 94 4 6
Red sandstone		3			Red marl, with veins
Red sandy marl	1	4	0		of gypsum with red
Red sandstone, with		_	_		sandstone 1 4 0
beds of red marl	5	1	0		Strong marl, with
Red sandstone and					thick veins of gyp-
marl mixed	9	3	0		sum 3 3 6
Red marl, with beds					Red marl, with veins
of red sandstone	4	3	0		of gypsum and blue
Red and grey sand-					joints 0 5 6
stone, with beds of					Anhydrite 0 4 0
red marl	4	2	0		Anhydrite, with veins
Red sandstone	4	1	0		of gypsum 2 0 0
Red marl	5	5	0		Anhydrite 0 2 6
Red marl, with beds					Blue marl 0 0 8
of sandstone	3	2	0		Red marl, with blue
Red marl	6	2	0		joints and veins of
Red marl, with thin					gypsum 4 3 10
beds of red sand-					Anhydrite 1 1 0
stone	5	2	0		Anhydrite, with black
Red marl	7	3	0		joints and veins of
Red marl, with veins					gypsum 1 5 0
of gypsum	15	5	0		Anhydrite, with black
Red marl, with veins					joints 2 4 0
of gypsum and blue					Anhydrite, with spots
joints	9	1	0		of gypsum 3 0 6
Red marl, with blue					Anhydrite, with gyp-
joints	0	4	2		sum 1 3 4
Red marl, with veins	_		_		Anhydrite, mixed with
of gypsum and blue					limestone 2 3 8
spots	^	4	6		Limestone, with gyp-
Red marl, with veins		_			sum 6 4 0
of gypsum with blue					
joints		. 0	10		128 2
Jointos	1	. 0	10		
					-
	_				Total 128 2
Carried forward	94	4	6		1000-111

#### No. 2,178.—WEST HARTLEPOOL.

TOWNSHIP OF STRANTON, DURHAM.

Sheet 37 of Ordnance Map. Lat. 54° 40′ 27″, Long. 1° 12′ 18″.

Boring at Cellulose Works, West Hartlepool. 1888.

Approximate surface level feet above sea (Ordnance datum).

Old well	6	1	0	Fs.	Ft.	In.	Brought forward					Ft. 5	
Brown pinnel Yellow clay	0	3	0	0	_	0	Brown limestone Dark shaly limestone,						
Yellowish white lime-				8	Б	0	large grained Yellowish white porous	5	3	0			
stone, soft and porous		3	0				limestone			0	30	4	0
Carried forward	22	3	0	8	5	0	Total		•••	=	39	3	0

# No. 2,179.—WEST HARTLEPOOL.

TOWNSHIP OF HARTLEPOOL, DURHAM.

Sheet 37 of Ordnance Map. Lat. 54° 42′ 10″, Long. 1° 11′ 53″.

Diamond-boring at the Warren Cement Works, near Hartlepool, by Mr. John Vivian. 1888.

Sand 3 4 0 Soft mud and peat 1 2 0 Red clay 3 0 0 Red pinnel, with small cobbles 1 0 0 Dark pinnel and cobbles 3 0 0	Fs. Ft. In. Fs. Ft. In. Brought forward   15   3   0
Pinnel and cobbles 0 2 0	——————————————————————————————————————
Dark pinnel and cob- bles 3 1 0	
Carried forward 15 3 0	Total 67 0 0

# No. 2,180.—WEST HETTON.

TOWNSHIP OF QUARRINGTON, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 43′ 36″, Long. 1° 29′ 41″.

Section of Strata sunk through at West Hetton Engine Pit.

Soil	Fs.	Ft.	In. 0	Fs.	Ft.	In.	Brought forward 0 0 4 19 4 6
Yellow clay	1	5	0				
Gravel, with water	1	3	0				Five-Quarter Seam-
Blue clay, with							Ft. In.
tumbling stone	6	0	0				COAL, good 3 0
Soft grey metal	2	1	2				Splint 0 6
Brown post, with							0 3 6
water	0	1	2				0 3 10
Grey metal, with iron-							0 0 10
stone girdle	0	3	0				Grey metal stone, with
Brown post, with							water 1 3 2
water	0		10				White post, mixed
Grey metal		5					with whin and water 0 3 0
Black metal	0	2 5	0				Grey metal and metal
Soft grey metal	0	5	6				stone 2 0 0
Strong white post,							White post, with water 0 2 0
with water	0	4	6				Grey metal 2 3 0
Grey metal, with iron							COAL 0 2 4
girdles	0	2	0				7 1 6
Black stone or splint	0	3					
Grey metal	0	4					Grey metal 1 2 0
Black stone or splint	0	1					Ft. In.
Grey metal		3	8				COAL 1 7
COAL, foul	0	0	8	1 14	_	6	Band 0 5
				17	5	О	COAL 2 8
Grey metal	1	0	0				0 4 8
Ft. In.							
COAL, foul 0 10							2 0 8
Grey metal 3 0							Into post 2 2 0
COAL, foul 1 2		_					The pass of the pa
	0	5	0	_	_	_	
	_		_	1	5	0	
Grey metal	0	0	4				
0 . 10 1	_	_	_	10	4	_	Total 32 0 6
Carried forward	0	0	4	19	4	6	10001 52 0 0

#### No. 2,181.—WEST HETTON.

TOWNSHIP OF QUARRINGTON, DURHAM.

Sheet 27 of Ordnance Map. Lat.

, Long.

An Account of a Boring in West Hetton Pit from the bottom of the Main Coal Seam. February 20th, 1850.

Approximate surface level feet above sea (Ordnance datum).

Sunk to the scaffold				Fs. 27		In.	Brought forward 8 4 1 4		
Metal pipe	3	2	0				White post, mixed		
Strong grey metal stone, inclining to							with whin 0 1 6		
post	8	5	0				White post 0 3 2 COAL—Low Main		
Whin White and grey post	3	5	2				Seam 0 2 6		
COAL, soft	U	1	2		9	11		9 5	3
Grey metal				10	4	11	Into grey metal	0 4	10
Grey metal stone, set away water at 2 ft.									
6 in from the top	8	3	9				_		
Carried forward	8	4	1	44	2	5	Total 5	5 0	6

#### No. 2,182.—WESTERTON.

TOWNSHIP OF WESTERTON, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

An Account of a Boring in the First Hole in Westerton Estate. October 5th, 1838. Approximate surface level feet above sea (Ordnance datum).

Soil 5 Fs. Ft. In. Fs. Ft. In.  Leafy clay 4 4 6 Blue stony clay 7 0 0 Grey metal 2 1 6	Brought forward Fs. Ft. In. Fs. Ft. In. Grey metal 0 3 3 Grey post 0 5 3 Whin 0 0 7
Ft. In.  COAL 0 4  Grey metal band 0 2  COAL 0 8  COAL, foul 0 3  Grey metal 0 5	Grey post 0 0 9 In grey metal 0 0 5
COAL, foul 0 1 0 1 11 14 3 5 Carried forward 14 3 5	Total <u>16 1 8</u>

#### No. 2,183.—WESTERTON.

#### TOWNSHIP OF WESTERTON, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of a Boring in the Second Hole in Westerton Estate, about yards from the village. November 2nd, 1838.

Yellow and blue strong clay Grey post	Fs. 3	Ft. In. 1 9 5 10	Fs.	Ft.	In.	Brought forward Grey metal stone Grey metal, with	Fs. 2 0	Ft. 5 5	In. 3 7	Fs. 28	Ft.	In. 2
Grey metal Black metal Ft. In.	2	0 9 0 7				girdles Black metal COAL, foul	1 0 0	$\begin{array}{c} 0 \\ 1 \\ 0 \end{array}$	3 9 5			
COAL, foul 1 6 COAL 1 4	0	2 10				Grey metal	1	2	8	5	1	3
Grey metal Grey post, boxed to the	. 2	1 2	6	5	9	Grey metal stone Soft grey metal Ft. In. 1 0		3	9			
top of the stone with wood Grey metal COAL	1 1 0	3 10 0 10 0 10				Grey metal band 0 1½ COAL, foul 0 6	0	1	$7\frac{1}{2}$			
Grey metal and foul	_		5	0	8	Grey metal	0	3	0	3	3	$1\frac{1}{2}$
Grey metal COAL		2 4 1 2 1 1	0	4	7	Grey metal stone Black stone Grey metal Black metal	0 0 0	_	3 1 9 10			
Grey metal Grey post, which set away the water	1 0	1 6 5 10	U	-36	,	Grey metal COAL, foul	2 0 0	4 1 0	11 0 6			
Grey metal COAL, foul, mixed with brass	3	2 8 2 4				Dark grey metal Grey metal, metal		0		7	3	4
Strong grey metal stone Grey post	0	4 8 5 7	6	0	4	stone the last 2 ft.  Five-Quarter Seam— COAL, strong, with a small	2	1	0			
COAL	0	0 8	1	4	11	scare of brass at 13 ins. Ft. In. from top 3 2 Splint 0 8						
Blue metal Whitish grey post Grey metal stone Black metal	$\begin{array}{c} 3 \\ 2 \\ 1 \\ 0 \end{array}$	1 6 5 2 2 8 1 1				Splint 0 8	0	3	10	2	5	4
COAL, foul	ŏ —	0 6	7	4	11	Grey metal Grey metal stone, with girdles	0	0	10 2			
Grey metal, scared with coal Grey metal Grey post		$\begin{array}{ccc}2&1\\1&6\\1&8\end{array}$				Whin Grey metal stone, with post girdles	0	1	8			
Carried forward	2	5 3	 28	3	2	Carried forward	3	4	3	47	4	$\frac{1}{2\frac{1}{2}}$

# No. 2,183.—WESTERTON.—CONTINUED.

Brought forward Dark metal, with hard				Fs. 47			Brought forward 12 1 0 47 4 2½  Main Coal Seam—
girdles and water	2	0	0				Ft. In.
Black metal	0	1	3				COAL 1 3
Strong grey metal							Black metal
stone, with girdles	1	1	2				band 0 1
Whin	0	1	4				COAL, strong
Grey metal stone	0	1	3				and coarse
Grey metal stone White post Grey metal stone	0	2	0				thelast3ins. 3 3
Grey metal stone	0	2	10				0 4 7
Whin	0	1	8				12 5 7
Grey metal stone, with							Grey metal 0 0 3
whin girdles	3	3	0				Grey metal 0 0 3 In whin or ironstone 0 0 1
whin girdles Black metal	0	0	3				0 0 4
Carried forward	12	1	0	47	4	21	Total 60 4 1½
						-	

## No. 2,184.—WESTERTON.

TOWNSHIP OF WESTERTON, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

An Account of Boring in the Third Hole in Westerton Estate. June 20th, 1839.

Approximate surface level feet above sea (Ordnance datum).

Clay Sand Clay	3	5	In. 0 3 9	Fs.	Ft.	In.	Brought forward 8 0 1 14 2 5  Metal 0 0 2  Ft. In.
Grey metal Ft. In.	1	2	8				COAL 0 5 Metal 0 2 COAL 1 3
Grey metal 1 3							COAL 1 3 0 1 10
COAL 0 4	0	1	9				Grey metal 0 3 4
Grov motal		2		14	2	5	Grey metal stone 1 2 7
Grey metal Grey metal stone, with							Grey metal stone 1 5 11
girdles Grey metal	1	1	10 11				Black metal 0 0 3 Supposed Five-Quarter
Dark metal Black stone	0	$\frac{2}{1}$	3 2				Seam— Ft. In. COAL, good 3 3
Black stone Dark blue metal Black stone	1	1	6				COAL, splint 1 4 — 0 4 7
Grey metal	0	5	4				4 5 9
Grey metal stone Black metal, scared	1	5					In grey metal 0 0 3
with coal	0	0	5				
Carried forward	8	0	1	14	2	5	Total <u>27 4 6</u>

#### No. 2,185.—WESTERTON.

#### TOWNSHIP OF WESTERTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 40′ 10″, Long. 1° 38′ 14″.

Strata sunk through at Westerton Colliery to Five-Quarter Seam. Begun January 21st, 1840.

Approximate surface level 450 feet above sea (Ordnance datum).

Soil Strong blue clay Dry sand Gravel and quicksand, with water Strong brown clay Soft grey metal Grey post, with metal partings and water Dark grey metal, with ironstone girdles	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Strong grey metal, with post girdles and water   S. Ft. In. Fs. Ft. In. Fs. Ft. In. Five-Quarter Coal   Seam
Carried forward		Total <u>17 2 3</u>

This pit was sunk to the Main Coal Seam after the pump and engines were set to work about 11 fathoms further.

The cover of the Five-Quarter Seam has a very large quantity of ironstone in it.

#### No. 2,186.—WESTERTON.

TOWNSHIP OF WESTERTON, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of Strata sunk through in the Engine Pit, at Westerton Colliery.

May 27th, 1840.

Approximate surface level fe

feet above sea (Ordnance datum).

· Fs. Ft. In. Fs. Ft. In.	
Outset 0 2 0	Brought forward 10 5 6
Soil 0 1 0	Strong clay, with
Loomy and 0 1 2	sandy stones 1 4 0
Doainy sand U 1 2	Sandy Stolles 1 1 0
Loamy sand 0 1 2 Brown clay 0 3 10	Soft grey metal 1 1 0
Loamy sand, with a	Grey post, with water
spring of water 0 2 0	and metal partings 1 0 0
Strong brown clay 4 3 0	Dark grey metal 1 1 0
Dry sand 1 5 0	Five-Quarter Coul
	~ 0
Very strong brown	
clay 1 3 0	COAL 3 1
Quicksand 0 0 6	Splint 3 1
Clay and sand, with	0 4 4
	16 3 10
gravelly stones 0 2 6	10 5 10
Quicksand 0 5 6	
Cominal Communal 10 % C	Total 16 3 10
Carried forward 10 5 6	Total 16 3 10

The above was 9 feet in diameter when sinking and 7 feet when walled, and was sunk for £4 10s. per fathom.

#### No. 2,187.—WESTERTON.

TOWNSHIP OF WESTERTON, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Boring in Westerton Royalty, East Place. March 4th, 1867. Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In	
Sand and clay 4 0 0	Brought forward 6 3 6 52 0 3
Grev metal 10 3 0	White post, mixed
Black metal and coal 0 2 4	with whin (got,
Grey metal 5 4 3	July 26th; through,
Black metal and coal 0 2 4  Grey metal 5 4 3  Black metal 0 1 0	Sept. 23rd) 3 3 0 Grey metal parting 0 3 0
Grev metal, with	Grey metal parting 0 3 0
strong post girdles 11 1 5	White post, mixed
Dark metal 3 4 0	with whin (through,
Grey metal, with post	Dec. 28th) 5 1 0
girdles 4 1 0	Black metal, mixed
Dark metal, with post	with coal 0 0 8
girdles 1 0 0	Grey metal, with
COAL 0 3 1	girdles 6 1 0
41 2	White post, mixed
Grev metal 2 2 0	with whin 3 2 0
Grey metal 2 2 0 Whin 0 1 8	Grev metal 0 3 0
Grev and dark metal.	White post 0 1 4
with girdles 8 0 0	Grev metal 0 2 0
with girdles 8 0 0 COAL 0 0 6	Grey metal 0 3 0  White post 0 1 4  Grey metal 0 2 0  Dark metal, scared 0 2 6
10 4	2 COAL 0 4 4
Dark grey metal 6 3 6	27 3 4
	Into grey post 0 0 2
	- Broj Post
Carried forward 6 3 6 52 0	Total 79 3 9
0	1000

# No. 2,188.—WESTERTON.

TOWNSHIP OF WESTERTON, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of Strata sunk through at Westerton Colliery.

Approximate surface level feet above sea (Ordnance datum).

Soil and loose stones 1 5 0 Clay 2 4 0 Strong blue clay 0 5 0 Clay, mixed with loam 1 2 0 Sand 0 4 0 Clay, mixed with stones 3 1 0	Brought forward 0 3 4 16 0 4  Post girdles 1 0 1  Post 0 3 3  Grey post 0 5  Post 0 3 0  Blue stone 1 5 7
Sand 0 2 0 Gravel 0 5 0 Blue clay and loose stones 1 3 6 Blue metal (soft) 2 0 6 Five-Quarter Coal Seam Ft. In. COAL 3 0	Jet      0     1     5       Grey metal      1     0     7       Whin      0     1     0       Grey metal      0     3     0       Post       0     1     8       Grey metal      0     5     0       Post       0     0     5       Blue metal      3     3     11
Splint 1 4	Seam     3 3 11
Carried forward 0 3 4 16 0 4	Total 28 1 6

## No. 2,189.—WEST PELITON.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 51′ 37″, Long. 1° 38′ 19″.

An Account of Strata sunk through in the Engine Pit at West Pelton Colliery.

Approximate surface level 345 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Outset	1	0	0				Brought forward 8 5 6 27 3 93
Ct 43	0	1	-				
O 1							
Gravel		5					Grey post 0 4 0
Sand, gravel, and loam	1						Blue metal 0 0 9
Strong clay	7	1	6				Grey post, with much
0 0			;	10	3	6	water, engine going
Lasfungat mired with						•	
Leafy post, mixed with	_						
blue	U	4	6				minute 8 3 8
Five-Quarter Seam—							Maudlin Seam—Ft. In.
Ft. In.							COAL, good 3 0
COAL, good 3 0							Band 0 1
Splint 2 0							COAL, bot-
~piint ::: = 0	0	5	0				
	U	U	U	4	0	0	tom 0 6
~				1	3	6	0 3 7
Seggar clay	0	5	0				18 5 10
Blue stone, very soft	2	1	6				TDL:11 -4 0 0 10
Grey metal	0	4	6				
Post, mixed with grey	_	-					Grey metal 0 2 4
	0	0	0				Strong grey post, with
metal	0	2	0				grey metal partings 1 1 0
Grey metal	2	0	3				Blue metal 2 0 0
Grey post, with gullets	0	1	7				Black stone 0 1 3
Soft blue metal	1	5	3				
D1 1 1	õ	0	3				COAL-Low Main
	U	U	9				Seam 0 3 0
COAL-Main Coal							4 2 5
Seam	0	4	$9\frac{1}{4}$				Grey metal, with stony
	_			9	1	$1\frac{1}{4}$	post girdles 1 3 2
Seggar clay	0	0	8			*2	
	_		10				111 111 0
	0						1 4 5
White post, with water		4	9				Seggar 0 0 8
Grey metal	0	4					Grey post, with metal
Black stone	0	3	3				partings 1 3 0
Grey metal, with iron							1
balls	0	1	0				The grade in
							Grey post 0 4 9
Black stone	0	2	8				Grey metal 0 4 0
Grey metal	1	0	0				Grey post, mixed with
COAL, with white							grey metal 1 1 2
spar	0	0	0	L			0 0 111
*					1	81	Kluo motel
Seggar with muscal				U		02	$( 0 2 2\frac{3}{4} )$
Seggar, with mussel		0	0				Grey post 0 1 7
shells	0	2	0				Blue metal, with iron-
Grey metal, with post							stone girdles 0 2 1
girdles	2	2	4				
White post girdles							Hutton Seam- Ft. In.
with whin and water		=	=				COAL, good 3 9
			5				COAL, coarse 1 6
Grey metal		-	9				0 5 3
Yellow post	4	1	0				6 3 8
							0 0 0
				_			Tratal 50 9 18
Carried forward	8	5	6	27	3	93	Total 59 2 13
						14	

^{*} Approximate sea level (Ordnance datum).

# No. 2,190.—WEST PELTON.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Account of Boring in West Pelton Pit. June 18th. 1859.

Approximate surface level feet above sea (Ordnance datum).

					Fs.		In	Fs.	Ft.	In.
Metal pipe				 	 1	3	0			
White post				 	 1	-	0			
Metal				 	 6		0			
White post,	with	soft pa	$rtings^{-}$	 	 13		0			
COAL				 	 0	3	10			
					_			23	5	10
				 	 3	5	6			
COAL, inte	o		***	 	 0	1	0			
					_			4	0	6
			Total	 		٠	_	28	0	_4
							=			=

# No. 2,191.—WEST PELTON.

TOWNSHIP OF PELTON, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

An Account of Strata sunk in the Six-Feet Staple, Handen Hold. 1857.

Approximate surface level feet above sea (Ordnance datum).

Rubbish Sand and gravel		1	In. 0 - 0	Fs.	Ft.	In.	Brought forward 10 3 3 7 3 8 Five-Quarter Seam—
Strong blue clay	1	4	6		_	_	Ft. In.
Soft ower motel	1	9		4	1	6	COAL, good 3 6
	1						Splint 3 0 —— 1 0 6
Soft blue metal			6				11 3 9
COAL	0	0					Seggar clay 0 0 10
				3	2	2	Blue metal 0 4 2
Seggar clay	0	2	6			_	Strong grey post 1 4 6
Blue metal, with iron-							Blue stone, mixed with
stone balls	1	2	0.				ironstone girdles 3 1 0
Black stone, mixed							COAL - Main Coal
with coal			10				·Seam 0 5 1
Dark seggar clay			4				6 3 7
Black stone	_	1					Seggar clay 0 2 0
Blue metal	-	5	0				Grey post 0 0 10
Strong grey post, with		ຄ	0				White post 0 1 5
blue metal mixed Black stone		3	9				Dark grey post 0 3 7 White post 1 1 4
DIACK Stolle		9	_0				White post 1 1 4
Carried forward	10	3	3	7	3	8	Carried forward 2 3 2 25 5 0

# No. 2,191.—WEST PELTON.—CONTINUED.

Blue metal, with ironstone girdles  COAL, black slaty  Seggar clay Grey post Grey metal, mixed with post Grey post girdle Grey metal Grey metal Grey metal Grey metal White post	Fs. Ft. In. Fs. Ft. In. 2 3 2 25 5 0 1 2 6 1 2 0 1 3 3 0 0 10 6 5 9 0 1 5 0 1 5 0 0 1 6 5 9 0 1 6 5 9 0 1 6 6 5 9 0 1 6 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1 6 0 1	Brought forward 16 4 11 32 4 9  Maudlin Seam—  Ft. In.  COAL, good 0 11  COAL, bandy 0 9  COAL, good 1 1  Thill stone 0 1 6  White girdle 0 1 6  Blue stone 0 2 4  Whin 0 0 8  Blue stone 1 2 1  White post 0 0 6  Blue stone 0 2 7  White post 0 1 8  Blue stone 0 1 8  Blue stone 1 2 1  White post 0 0 6  Blue stone 0 2 7  White post 0 1 8  Blue stone 0 2 7  White post 0 1 2  Blue stone 0 2 5  White post 0 1 2  Blue stone 0 2 6  COAL, good 3 10  Slaty band 0 3  COAL, coarse 0 6  COAL, bandy 1 6
Carried forward 1	16 4 11 32 4 9	Total <u>55 4 10</u>

# No. 2,192.—WEST STANLEY.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

An Account of Section sunk through in the Kettledrum Pit, at West Stanley. 1859.

Approximate surface level feet above sea (Ordnance datum).

C1 17 7 a	Fs. Ft. In. 1 0 0 0 5 0 4 0 0	Fs. Ft. In.	Brought forward Strong brown post	2 3 2 0	6
Blue metal	$\begin{array}{cccc}0&3&8\\0&1&6\end{array}$	4 5 2	Seggar clay Grey metal Grey post	$\begin{array}{cc} 1 & 3 \\ 0 & 2 \end{array}$	3
Seggar clay stone Strong grey metal, with post girdles			Blue metal Grey whin Grey metal	$\begin{array}{ccc} 0 & 1 \\ 0 & 4 \\ 0 & 1 \end{array}$	0
Clause Till Till		4 4 0	G : 1 C	9 1	5 11 1 11

Carried forward 2 3 0 6 4 2 Carried forward 3 1 5 11 1 11

#### No. 2,192.—WEST STANLEY.—CONTINUED.

Brought forward Grey leafy post Blue metal Grey metal, with post girdles Post girdles Grey metal and iron- stone Blue metal Strong brown post Shield Row Seam— Ft. In. COAL 1 10 Stone band 0 4	3 2 8 2 0 0 4 6	1 0 3 0 1 3 1	6 11 0 0	Fs. 111	Ft. 1	In. 11	Grey metal        0       5       4         Brown post        1       0       0         Strong grey metal        5       1       9         Post girdles        0       0       8         Grey metal        1       1       2         Strong post        0       4       8         Grey metal, with post girdles        1       2       4         Post stone        0       1       2         Grey metal        0       1       1         Strong white post, mixed with whin,        0       1       1	In. 9
Seggar clay Grey metal Strong brown post Grey metal COAL Strong grey metal, with ironstone Five-Quarter Seam—	2 1 0	4 0 2 4	5 9 0 6 8	28	2	5	and no parting in it 13 2 0 Post stone 2 0 10  COAL — Maudlin Seam 0 3 6 Grey metal stone 2 0 0  Low Main Coal Seam— Ft. In. COAL 1 10 Seggar band 1 2 COAL 4 6 ———————————————————————————————————	
COAL, top Ft. In. coarse 3 8 COAL,good 5 4  Black shining stone COAL — Main Coal or Brass Thill Seam	1 0	1 5	1 1		1 0	8	Thill stone 0 2 0  Blue stone, with post and ironstone gir- dles 1 1 8  COAL—Hutton Seam 0 4 0  Seggar clay 0 5 0  Grey metal 1 2 0	
Thill stone Post stone Carried forward	0 1 2	4 1 0	8 6 2 6	32	.0	9	Total 98 5	7

## No. 2,193.—WEST STANLEY.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

An Account of Section in a Borehole put down from the Hutton Seam to the Bustybank Seam, in the Kettledrum Pit, West Stanley. 1873.

Staple sunk:— Grey post Strong post girdles	3	0	0	Fs. Ft. In	1.	Brought forward Strong grey post	5	2	4	Ft.	In.
Carried forward	5	2	4			Carried forward	15	2	0		

### No. 2,193.—WEST STANLEY.—CONTINUED.

					Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brong	ht forward	1 15	2	0				Brought forward 6 1 5 26 3 8
	Ft. In							COAL 0 0 3
COAL	1 1	L						6 1 8
Seggar clay	0 8	5						Seggar 0 1 6
COAL	0 2							Dark blue metal 0 3 6
OOAL	0 2	- 0	1	8				
		- 0	1	G	15	3	8	
a 1.1	1 7 - 1/1				15	0	0	
Grey metal,			_	_				Strong white post 0 3 0
post gird			1	2				Grey post, with part-
Dark grey	post		4	6				ings 0 4 7
Dark blue i	netal	3	0	4				COAL 0 1 10
COAL		. 0	1	4				4 1 5
		-			8	1	4	
Seggar clay		. 0	2	7		_	_	Seggar clay 0 3 4
COAL		_	0	9				Dark grey post 1 5 3
COAL	• • • • • • • • • • • • • • • • • • • •		U	ð	0			Grey metal, with post
					0	3	4	girdles 0 5 0
Seggar clay			2	7				Grey post 0 2 5
COAL		. 0	0	9				Black stone 0 0 4
		_			0	3	4	Diddle Stone 0 0 4
Dark post		. 1	2	6				Bustybank Seam—
COAL			1	6				
					1	4	0	COAL 3 10
Dark thill s	stone	0	1	0		-302	0	111 - 71
			-	3				Seggar clay 1 8
Strong whit			3					Grey post 5 4
Grey metal			5	0				COAL 2 8
Grey post	•••		2	5				2 1 6
Whin girdle	es		$\frac{2}{1}$	9				2 1 0
Grey post		1		3				5 5 10
Grey metal		_	3	9				
4)								
Carried	forward	6	1	5	26	3	8	Total 43 0 7
Carrie	Lorward	U	1	9	24()	U	J	

# No. 2,194.—WEST STANLEY.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

An Account of Strata sunk through from the Hutton Seam to Bustybank Seam, Lamp Pit, West Stanley Colliery. 1874.

White post Dark grey post	. 4 . 10 . 2	Ft. In. F. 98 3 0 0 6 0 0 0 10	s. Ft. In. 8 5 7	Fs. Ft. In, Fs. Ft. In.  Brought forward 21 0 4 98 5 7  Ft. In.  COAL 0 8  Seggar clay 5 4  COAL 0 8
Dark grey post	. 2	0 10 2 0 0 0 0 0 0 0 0 4 98	3 5 7	Black stone 0 1 10 22 1 0  Carried forward 0 1 10 121 0 7

### No. 2,194.—WEST STANLEY.—CONTINUED.

Brought forward 0 1 10 121 0 7  Whin girdle 0 1 9  Dark post 0 1 10	Brought forward 1 2 7 129 0 11  White post 1 1 0  Grey post and metal
Blue metal 0 3 0	partings 0 4 8
Seggar clay 0 4 0 Post girdle 0 0 10  COAL 2 0	COAL 3 0 Seggar clay 2 4 COAL, cannel 1 0
Seggar clay 2 6 0 4 6	$\frac{1 \ 0 \ 4}{2 \ 7}$
2 5 9	Grey post and metal
Grey metal 1 4 6 Seggar clay 0 1 6	partings 1 0 6 White post, with part-
Grey metal 0 5 0	ings 3 3 0
Grey metal and post	Bustybank Seam— Ft. In.
girdles 1 4 0 Blue metal 0 1 9	COAL, good 0 6 Band 0 6
COAL 0 0 6	COAL 3 3
Dark grey post 1 0 6	Seggar clay 2 4 COAL, good 3 0
Dark grey post 1 0 6 Black thill stone 0 0 3	1 3 7
Seggar clay 0 1 10	6 1 1
Carried forward 1 2 7 129 0 11	Total <u>139 4 7</u>

### No. 2,195.—WEST STANLEY.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Account of Strata in the Mary Pit, West Stanley Colliery. October 9th, 1860.

	Fa Ft.	In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Outset		2	Brought forward 3 0 1 11 2 1
4. 15. 7. 5	~ =		
Soil and clay	0 0	_ 1 5 2	
	4 0		Leafy grey post 0 2 6
Quarry post	4 0	0	Post stone 1 4 0
Blue shale	0  3	8	Blue shale 8 3 11
COAL	0 1	6	Grey shale, with post
		- 4 5 2	girdles 2 0 0
Seggar clay	0 3		Post girdles 0 1 0
	0 0	0	
Strong grey shale, with	7 "	0	Grey shale, with iron-
post girdles	T 9	0	stone girdles 0 3 6
Strong brown free-			Blue shale 4 1 6
stone	2 0	6 •	Strong post stone 6 1 10
COAL	0 0	3	Shield Row Seam -
		- 4 3 9	Ft. In.
Seggar clay	0 1	6	COAL, top 1 10
	1 3		Stone band 0 4
	0 2		COAL, bottom 4 7
Grey post			
Blue shale	0 1		
Grey whin	$0  ext{ } 4$	0	28 2 5
-			
Carried forward	3 0	1 11 2 1	Carried forward 39 4 6

# No. 2,195.—WEST STANLEY.—CONTINUED.

Fs. Ft. In. Fs. Ft. In. Brought forward 39 4 6	Fs. Ft. In. Fs. Ft. In.
Seggar clay 0 4 5	Brought forward 13 0 4 62 0 11
Grey shale 1 0 9	Strong white post 5 2 0 Strong post, mixed
Strong brown post 2 2 0	
Grey shale 1 4 6	Post stone 8 0 0
COAL 0 0 8	Maudlin Seam—
	COAL, clean 0 3 6
Strong grey shale, with	29 0 8
ironstone girdles 12 4 8	Shivery grey shale 2 0 0
·	Low Main Seam-
Five-Quarter Seam—	Ft. In.
COAL. top 3 8	COAL, top 1 10
	Seggar clay 1 2
COAL, clean 5 4 —— 1 3 0	COAL 4 6
<u> </u>	1 1 6
Black shivery stone 1 1 4	3 1 6
Main Coal Seam—	
COAL 0 5 1	Thill stone 0 2 0
- 2 0 5	Blue shale, with post
Thill stone 0 4 8	and ironstone girdles 1 2 10
Post stone 1 1 6	Bastard whin 0 1 2
Blue shale 0 5 4	Blue shale 1 0 6
Brown post 1 0 0	COAL—Hutton Seam 0 4 0
Strong grey shale 5 1 9	3 4 6
Post stone, strong 0 0 8	COAL, bottom coal
Grey shale 1 1 2	coarse and shivery 0 1 0
Post stone 0 4 8	Seggar clay 0 4 0
Grey shale, with post	Grey shale 1 2 0
girdles 1 2 4	
Post stone 0 1 2	2 1 0
Grey shale 0 1 1	
Carried forward 13 0 4 62 0 11	Total 100 2 7

# No. 2,196.—WESTWOOD.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 5 of Ordnance Map. Lat.  $54^{\circ}$  54' 10'', Long.  $1^{\circ}$  49' 15''.

Strata sunk through in Westwood Winning.

Soft grey metal COAL	1		2	Fs.			Brought forward Fs. Ft. In. Fs. Ft. In. 5 2 0 Seggar 0 1 8
Seggar	0	1		1	3	8	Blue metal 3 4 8  Hodge Seam— Ft. In.
Soft grey metal	2	1	6				COAL 0 10 .
Post girdles Soft blue metal, with	0	0	7				Black slate stone 1 10
bands of ironstone	0	5	0				COAL 0 4
Towneley Seam— Ft. In.							0 3 0
Splint 0 6 Parting —							Seggar, strong and
COAL 1 7							rather posty, but with no ironstone 0 2 8
	0	2	1	3	4	4	Brown post 0 1 9
					-30	<b>T</b>	
Carried for	war	d		5	2	0	Carried forward 0 4 5 9 5 4

### No. 2,196.—WESTWOOD.—CONTINUED.

Brought forward Brown post COAL—Tilley Seam Good seggar Seggar, with iron balls Strong white post Blue metal Top Busty Seam— Ft. In. COAL 0 4 Stone band 0 4	$0 \\ 2 \\ 0 \\ \hline 0 \\ 0 \\ 0$	4	$   \begin{array}{r}     5 \\     10 \\     10 \\     \hline     6 \\     2   \end{array} $	Fs. 9		In. 4	Brought forward 2 2 3 21 0 7 Strong grey metal 1 5 0 Soft blue metal 0 3 4 COAL—3/4 Seam 0 2 11 Good seggar 0 1 2 Seggar, with ironstone nodules 0 3 6 Strong grey post 0 5 4 COAL 0 1 0
Good seggar Seggar, with iron balls Strong white post Whin girdle Blue metal Iron girdle Strong grey post Blue metal COAL — Bottom	0 0 0 0 0 0 0 0		1 5 1 2 0 4 0 9 11	3	1	3	Black shale 0 0 6
Busty Seam  Good seggar Seggar, dark, and with ironstone nodules	0 0	0	3 10 0	4	3	11	good, but 1 inch of slate adheres to it 0 0 10  Black slate 0 0 6  Post 1 0 0
Strong grey metal Brown whin girdle Carried forward	$\frac{1}{0}$	1 1 2	3 3	21	0	7	Total 32 4 5

### No. 2,197.—WHEAT BOTTOM.

TOWNSHIP OF HELMINGTON ROW, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of the Boring in Wheat Bottom Estate, on the right-hand side of the Lane leading to Bishop Auckland from Job's Gate, near Crook. 1838.

		Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil		0	0	8				Brought forward 0 4 1 11 3 6
Yellow clay		0	4	0				Ft. In.
Strong blue clay		6	1	4				COAL 0 9
Grey metal stone		1		0				Strong band,
Metal			5					with white
COAL			1					scares 0 4
					11	3	6	COAL, rather
Grey thill		0	1		11	U	U	tender 1 5
Whin girdle		_	ō					COAL, rather
	• • •							
	•••		0					foul $0$ $1\frac{1}{2}$
			0					COAL, tender 0 5
Dark metal	• • •	0	1	4				Bandy metal $0   0\frac{1}{2}$
								COAL, tender 0 8
								0 3 9
								1 1 10
		_						In grey metal.
Carried forwar	d	0	4	1	11	3	6	Total 12 5 4

### No. 2,198.—WHEAT BOTTOM.

TOWNSHIP OF HELMINGTON ROW, DURHAM,

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of the Boring in Wheat Botton Royalty, near Crook, for Thistleflatt Owners. June 25th, 1850.

Blue and yellow clay,	. Fs. Ft. In.	Brought forward Fs. Ft. In. Fs. Ft. In. 34 0 11
with water 2 3 0		Into dark metal (left
Brown clay 5 3 0		off, August 21st) 0 0 6
Sand 0 1 6 Brown clay 1 0 6		0 0 6
Grey metal 0 3 0		Sunk further in the
Post 0 1 6		Sinking Pit, July
Grey metal 5 5 0		10th, 1851:— Grey metal 0 1 8
COAL 0 0 10		COAL 0 2 6
	- 16 0 4	Metal 0 3 5
Grey metal 1 1 3 Black metal 0 1 0		1 1 7
COAL 0 3 7		Bored further:—
	- 1 5 10	Blue metal 0 2 2
Grey metal 1 3 0		Grey post girdle 0 1 3 Grey metal 0 4 9
White and brown post 5 1 8		COAL 0 2 3
White post 0 4 6	6	1 4 5
Strong post, mixed with whin 0 4 5	5	Grey metal 3 0 0
White post 0 4 5 5 6 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8		Grey post, with water 1 3 6
COAL 0 2 4	4	Grey metal stone 1 3 0 Black metal 0 0 6
	- 9 0 9	Black metal 0 0 6
White post 1 4	0	COAL 4 1
Grey metal 0 2		COAL, coarse 0 8
White post 0 4 7 Grey metal stone, with	7	0 4 9
post girdles 0 4	1	6 5 9
Brown and grey post 2 0	4.	Into grey metal 0 1 6
Grey metal, with post		
	$\frac{9}{2}$	
	7 0 0	
Carried forward	34 0 11	Total 44 2 8
Carried forward	94 O TT	

# No. 2,199.—WHEATLEY GREEN.

#### TOWNSHIP OF

Sheet of Ordnance Map. Lat.

, Long.

### Account of Boring in Wheatley Green Estate. 1839.

	Fs.			Fs.	Ft.	In.		Fs.	Ft.	In.		Ft.	
Strong blue clay	1	5	0				Brought forward				40	3	5
Sand, with a siping of		_	_				Grey metal	0	$2^{\cdot}$	0			
water		3	0				Grey metal stone,						
Blue stony clay	3	3					with whin and post	-	_	_			
Grey post	0	0	9				girdles	1	5	U			
Grey metal, with	0						Dark grey metal, with	-		4.0			
brown scares	2	3	3				girdles and water	1	4	10			
Soft brown post	0	3	0				COAL, tender and	_	0	_			
Grey and brown metal							rather foul	0	2	9			
stone, with post	0	0	0					-			4	2	7
girdles	3	0	0				~						
Brown post, with	0	=	0				Grey metal		0	2			
water	0	5	0				Strong white post			6			
Grey metal stone	U	อ	U					0		4			
COAL, slaty the first							COAL	0	1	0			
2 feet (supposed	0	5	2				_				0	5	0
Main Coal Seam)	0	Ð		14	3	2							
Grey metal	0	1	0	14	o	4	Grey metal	0	4	0			
Grey metal Grey metal stone	0	5	5				White and grey post,						
Grey and white post,	U	U	J				with water	0	4	6			
with water	1	0	3				Grey metal, with iron-						
Grey metal stone		ő	-				stone girdles and	_		_			
COAL	0						water	2	1	9			
			_	6	1	3	~						
Black grey metal, with				0	_		Supposed Hutton						
scares of coal	0	1	9				Seam— Ft. In.						
Grey metal	0	ō	6				COAL 3 0						
Grey and white post	1	4	6				COAL, coarse 0 5						
Grey metal, scared								0	3	5			
with coal	0	4	0								4	1	8
Grey metal stone	2	1	0								-38	1	0
Strong white and grey							Grey metal	1	0	0			
post, with whin							In grey metal and						
girdles and water	14	1	4				metal stone, with						
Supposed Low Main							freestone girdles	1	1	4			
Seam-					-		9				2	1	4
Soft post,											4	7	120
scared with Ft. In.													
coal 0 3													
COAL, burns													
to red ashes 2 10													
COAL, tender													
and rather													
slaty, mixed													
with brass 0 10	0	9	11										
	0	3	11	10	2	0							
				19	5	0							
0 1 2 2		,			_		Total				50	9	0
Carried for	ware	1		40	3	5	Total .	• •		-	52	2	

### No. 2,200.—WHEATLEY HILL.

TOWNSHIP OF THORNLEY, DUBHAM.

Sheet 28 of Ordnance Map. Lat. 1  $^{\circ}$  23  $^{\prime}$  59  $^{\prime\prime}$  , Long. 54  $^{\circ}$  44  $^{\prime}$  48  $^{\prime\prime}$  .

An Account of Strata sunk through at Wheatley Hill Colliery. 1869.

Approximate surface level 410 feet above sea (Ordnance datum).

Soil	Fs.		In. 9	Fs.	Ft.	In.	Brought forward 8 4 1 77 5 6
Clay, with sand and gravel	1	4	3				Blue metal 2 1 11 Seggar stone, mixed
Strong blue clay	10						with ironstone 0 4 0
				12	0	0	Grey metal, with iron-
Limestone marl							stone balls 2 2 6
Strong limestone Strong white lime-	30	4	6				Blue metal, with iron- stone bands 1 4 9
stone	4	0	0				Black stone 0 0 9
	0	1	8				COAL, coarse 0 0 6
Blue limestone	2	3	0				——————————————————————————————————————
White post, mixed with whin	1	5	10				Strong blue post, mixed with whin 1 4 6
WIUII WIIIII				53	1	6	Blue metal 0 5 6
Red sandstone, very							Grey metal, mixed
hard	1	1	4				with post girdles 2 2 6
Strong white sand- stone, mixed with							Strong blue metal, mixed with girdles
whin	0	4	0				of ironstone 8 5 3
Strong red sandstone	1	0	8				COAL-3/4 Seam 0 1 9
Dark brown whin- {	0	0				*	14 1 6
stone \ Strong sandstone	0	1	1				Seggar band 0 0 7
Strong sandstone Strong whinstone,	1	1	U				COAL 0 0 9 0 0 1½
mixed with seggar	1	0	10				Seggar band 0 0 3
Light sandstone, very	4		0				COAL $0 \ 0 \ 2\frac{1}{2}$
hard Red sandstone	$\frac{1}{0}$	1	9				Seggar band 0 0 9 COAL, coarse 0 1 6
Hard white sandstone,		_	Ü				Thill stone 0 1 6
mixed with whin	1	0	8				COAL-5/4 Seam 0 3 11
Reddish grey metal	$\frac{1}{2}$	3					1 3 3
Hard red sandstone	<u>z</u>	2	6	12	4	0	Seggar 0 0 9
Blue metal	2	0	0			Ü	Seggar stone, mixed with ironstone 1 0 7
	1	2	4				Hard thill stone 0 2 7
Black metal stone Brown post, mixed	0	4	0				Grey metal stone 0 3 0
with whin	0	3	9				Grey metal and post
Blue metal	1	0	0				girdles 1 2 1 Hard blue post 0 2 0
Metal, with post	0	6	0				Grey metal, mixed
girdles Whin	0	2 1	6				with post 0 1 7
Grey metal and post	J	1	0				0 2 10
girdles	0	3	1				shale 0 0 9
White post, mixed with whin	1	5	5				4 4 2
WILLIAM WILLIAM							
Carried forward	8	4	1	77	5	6	Carried forward 114 2 11

^{*} Approximate sea level (Ordnance datum).

# No. 2,200.—WHEATLEY HILL.—CONTINUED.

Brought forward   1								
Strong white post     6   1   2   2   4   0   0   8	Grey metal, mixed			1	Fs. 14	Ft. 2	In. 11	Brought forward 1 3 4 152 2 3 Dark grey metal, with
Main Coal Seam	Strong white post							COAL 0 0 8
COAL	COAL 0 9							Grey metal, with post girdles 2 0 1
Continued sinking in the No. 2 Pit, from the same level, the Pits being 66 yards apart:   1 1 6   COAL       0 0 6   COAL       0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL     0 0 0 6   COAL	0041 0 4							
Continued sinking in the No. 2 Pit, from the Same level, the Pits being 66 yards apart:—		0	4		10	3	1	4 3 9
The same level, the Pits being 66 yards   Apart :—   Seggar								Grey metal 0 1 3
Seggar       1   1   0   0   0   6   1   1   0   0   0   6   0   0   6   0   0   0	the same level, the Pits being 66 yards							partings 1 0 5 Strong post, with iron
Strong grey metal, with post girdles   2 0 0 0	Seggar	_	-					Grey metal 1 1 2 Strong post, mixed
Comparison of the post of th					1	1	6	with iron 1 3 0
COAL, with gas     0   1   6   5   4   0	Grey metal Strong grey metal,	1	5	6				COAL (Oct.
Crey metal, with scares of coal and strong thin girdles 2 2 0					ĸ	4.	0	COAL, can-
Serong thin girdles				_	J	42	U	0 4 3
mixed with iron girdles 8 0 0  White post, scared with coal 2 1 0  Grey post, scared with coal 0 2 6  COAL — Low Main  Seam 0 1 6  Grey metal 0 2 0  Black stone 0 1 6  Strong grey metal, with post girdles 4 2 6  Strong grey metal, with ironstone balls 0 2 0  Black stone 0 0 0 6  COAL 0 0 0 5  Strong grey metal, with ironstone girdles 1 1 0  Black stone 0 0 0 6  COAL 0 0 0 6  COAL 0 0 1 8  Strong white post 0 1 0  Blue metal, with iron balls 2 1 0  Mild white post 2 3 0  Blue metal 0 0 0 6  COAL 0 0 0 5  Grey metal, with post girdles 0 0 0 5  Grey metal, with ironstone girdles 0 4 0  Black stone 0 0 0 6  COAL 0 0 2 0  Grey metal, with iron girdles 3 5 0  Grey metal, with iron girdles 0 4 2 8  White post 0 2 6  COAL 0 0 3 6  White post, mixed with post 0 2 0  Grey metal 0 3 6  White post, mixed with iron 0 3 10  Coariant fewers and the coal strong sirdles 1 1 9	strong thin girdles	2	2	0				
Siggar	mixed with iron girdles	8	0	0				CÖAL 0 0 5
COAL          0         2         6           COAL          0         0         6           Seggar          0         1         6           Seggar          0         1         6           Grey metal          0         1         6           Strong grey metal,          0         1         6           Strong blue metal,          0         0         6           Strong blue metal,          0         0         9           Strong grey metal,          0         0         9           Strong blue metal,          0         0         9           Strong grey metal,          0         0         9           Strong blue metal,          0         0         9           Strong with post gridles          0         0         6           CoAL          0         4         0         8           Strong grey metal,             0         0         6     <	with coal	2	1	0				Blue metal, with iron
Seggar     0   3   0   0   1   8	coal	0	2	6				COAL 0 0 6
Post, with iron balls 2 1 0	Sta	0	3	-	13	2	6	Seggar 0 1 8
Mild white post	Seggar	0	1			_		Post, with iron balls 2 1 0
Strong grey metal, with post girdles 4 2 6   Strong blue metal, with ironstone balls 0 2 0   Black stone 0 0 0 9   Strong grey metal, with ironstone girdles 1 1 0   Black stone 0 0 0 6   COAL 0 0 0 5   5 4 7      Seggar, mixed with post girdles 3 5 0   Grey metal, with iron girdles 4 2 8   White post 4 2 8   White post 0 0 2 6   COAL 0 0 0 3      Seggar, mixed with post 0 2 0   Seggar 0 1 6   Grey metal, with iron girdles 1 1 9	Grey metal	0	2	0				
Strong blue metal, with ironstone balls 0 2 0		0	T	6				COAL
Black stone	with post girdles Strong blue metal,	4	2	6				Grey metal, with post 5 4 7
with ironstone girdles         dles        1       1       0         Black stone        0       0       6         COAL        0       0       6         Seggar, mixed with post        0       2       0         Grey metal, with iron girdles        4       2       8         COAL        0       0       3         Seggar, mixed with post        0       1       2         Grey metal, with iron girdles        0       1       2         Seggar         0       1       0         Grey metal, with iron         0       1       0         Seggar	Black stone							Black metal, with iron
Black stone 0 0 6 6 COAL 0 2 6 COAL 0 0 3 8 Seggar, mixed with post 0 2 0 Grey metal 0 3 6 White post, mixed with iron 0 3 10 Seggar 0 1 0 Seggar 0 1 6 Grey metal, with iron girdles 1 1 9	with ironstone gir-	1	1	0				Grey metal, with iron
Seggar, mixed with  post 0 2 0  Grey metal 0 3 6  White post, mixed with iron 0 3 10  Conviced feavored 0 3 10	Black stone							White post 0 2 6
Dost       0   2   0     Coal pipes       0   1   0	G	0	0	6	7	0	3	
Grey metal 0 3 6 White post, mixed with iron 0 3 10  Conviced forward 1 3 4 150 0 0	mank	0	2	0				
with iron 0 3 10  Grey metal, with iron girdles 1 1 9	Grey metal	_		_				
Carried forward 1 3 4 152 2 3 Carried forward 1 5 5 185 1 9	White post, mixed with iron	0	3	10				Grey metal, with iron
	Carried forward	1	3	4	 152	2	3	Carried forward 1 5 5 185 1 9

### No. 2,200.—WHEATLEY HILL.—CONTINUED.

Brought forward Post, with blue metal partings Post, with grey metal partings Blue metal and post girdles COAL—Harvey Seam Seggar	0 5 0 . 0 4 0 0 4 0 0 0 4 0 0 0 4 0	Brought forward 1 1 4 193 2 10  Busty Seam— Ft. In.  COAL 2 9 Hard band 0 2 COAL 1 2½ Seggar band 1 5 COAL, coarse 0 1½ Seggar band 1 3 COAL 1 3  ——————————————————————————————————
Grey metal, inclined to post	1 5 6 0 5 2 0 2 0	Seggar 0 1 0 Blue metal 0 5 0 Strong framy blue metal 1 0 0 Strong metal, with iron girdles 0 2 0 Strong bastard post, with iron girdles,
Carried forward	-	very hard 0 2 0 2 4 0  Total 198 4 334

^{*} Workable portion of seam.

### No. 2,201.—WHICKHAM.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat.

, Long.

Strata sunk and bored through at Whichham Colliery.

Outset 1 3 0 Freestone post 14 0 0 White post White post	ward 2		25	Ft. In. 3 3
Black stone 1 3 6 Black stone	0 Ft. In.	2 3	•	
	0 7			
ored Posts III	0 10	_		
Beaumont Seam—	0	1 8		
COAL 2 5 Grey metal	0	2 3	- 2	4 2
Band 0 4 White post	1	2 9		
COAL 0 11 COAL		0 8		
0 3 8			- 1	5 3
——————————————————————————————————————		5 2		
Post, with whin 2 3 0 Blue stone COAL 0 0 3	0	0 '	7	
Carried forward 25 3 3 Carried forw	ard 2	5	9 30	0 8

# No. 2,201.—WHICKHAM.—Continued.

Brought forward	Fs.			Fs. 30	Ft.	In. 8	Fs. Ft. In. Fs. Ft. In. Brought forward 4 5 9 41 2 8
COAL - Stone Coal	0	2	0				White post 5 1 11 Blue metal 0 4 8
Seam ···				3	1	9	COAL 0 0 3
Grey metal	0	3	2				$\frac{}{}$
White post	5	1	1				Grey metal 1 1 3
COAL	0	2	3	0	0	0	White post 4 5 0 Grey metal 0 0 9
G1	1	3	8	. 6	0	6	Grey metal 0 0 9 COAL 0 0 2
Grey metal	7	2					6 1 2
COAL				1	5	9	Grey metal 0 0 6
							Post girdles 0 5 0
Total sunk				41	2	8	Grey metal 0 0 9
$Bored\ further:$ —							COAL 0 0 8
Grey metal	1	0	0				1 0 11
White post	_	0	4				Grey metal 1 0 2
Grey metal	0	2	2				White post 1 2 1
White post, with black	1	0	1				Z Z 3
scares	$\frac{1}{2}$	0	1 8				
White post Grey metal	0	2	6				
Grey mount			_	~			-
Carried forward	4	5	9	41	2	8	Total <u>62 1 7</u>

# No. 2,202.—WHICKHAM FELL.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat.

, Long.

Account of Strata bored through at Whichham Fell, near Feathercock.

Brown stony clay 6			Fs.			Brought forward 0 3 0 22 2 5
T 4			6	4	6	COAL, foul 0 1 0
Iron post, with white	-	0				0 4 0
scares 0						Character 1 9 7
Grey and brown metal 1	1	3				Grey metal 1 2 7
Grey and brown post,	_					Grey and white post,
with scares of coal 6						with metal partings
COAL, foul 0	0	4	_			and water 3 0 0
~		_	7	4	9	Grey metal 9 1 6
Grey post, with dark	_	_				Black metal, with
scary partings 7	1	5				scares of coal 0 1 4
COAL 1 0						Grey metal stone, with
Soft metal 1 6						post girdles 3 5 2
						Whin girdle 0 4 0
COAL, tender 1 3	0	0				COAL 0 4 0
	3	9	H	-	0	- 19 0 7
C			7	5	2	Grey metal stone, with
Grey metal, with coal 0						girdles 1 0 6
Grey metal 0	1	7				
Carried forward 0	3	0	22	2	5	Carried forward 1 0 6 42 1 0

# No. 2,202.—WHICKHAM FELL.—CONTINUED.

Brought forward   1 0 6 42 1 0 0									
Grey metal, with post girdles 2 3 10 Grey metal, mixed with coal 0 1 0 COAL, foul 0 0 0 9 Grey metal, with whinstone girdles 1 4 3 Grey metal stone, inclining to post 0 4 0 Grey metal, with scares of coal and water 0 1 0 COAL 0 0 0 3 Grey metal, with ironstone girdles 1 1 6 White post, mixed with whin 0 2 0 Grey metal, with ironstone girdles 1 1 6 White post, mixed with whin 0 2 0 Grey and white post 1 5 11 COAL 0 0 0 6 Grey and white post 1 5 11 COAL 0 0 0 6 Grey and white post 1 5 11 COAL 0 0 0 6 Grey and white post 1 5 11 COAL 0 0 0 6 Grey metal 0 1 0 9 Grey metal 0 1 0 Grey metal stone, with whin 3 3 0 GOAL 0 0 0 5 Grey and white post 2 2 7 Black metal 0 1 0 Grey metal 0 1 0 Grey metal 0 1 0 Grey metal stone 0 1 0 Grey metal stone 0 1 0 Grey metal 0 1 0 Grey metal 0 1 0 Grey metal stone 0 1 0 Grey metal	Grey post, with metal partings	0	0	6					Brought forward 2 5 8 55 0 6 White post, with water 0 4 4 Grey metal, very dry 0 1 6
Grey metal, mixed with coal			9	10	1	1	2		Grey metal and metal
Grey metal, with whinstone girdles 1 4 3 Grey metal stone, inclining to post 0 4 0 Grey metal, with scares of coal and water 0 1 0 0 10 GOAL, with water 0 0 10 Grey metal, with ironstone girdles 1 1 6 White post, mixed with whin 0 0 0 6 Grey and white post 1 5 11 GOAL 0 0 0 6 GOAL 0 0 0 5 GOAL 0	Grey metal, mixed with coal	0	1	0					Strong white post 2 4 3  Ft. In.
Whitstone girdles   1				_	2	5	7		foul 0 3
GOAL          0         1         0         1         0         1         3         0         Black metal stone, with whin girdles         1         4         1         COAL          0         2         9           Black grey metal          0         0         10         0         2         0         2         9         3         3         10           Grey metal, with water         0         0         0         1         6         6         6         7         0         2         0         0         2         0         0         0         2         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	Grey metal stone, in- clining to post								0 2 8
COAL	of coal and water			_					Black metal stone,
Grey metal, with ironstone girdles 1 1 6	Black grey metal				2	3	-	3	COAL 0 2 9
Stone girdles         1         1         6           White post, mixed with whin         0         2         0           Grey and white post 1         5         11         1         2           COAL          0         0         6         0         1         2         2         7           Grey metal           0         0         5         1         2         2         7           Black metal           0         0         1         0         0         1         0         1         0         1         0         0         1         0         0         1         0         0         1         0         0         0         1         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0		_		_	0	2	10	)	Grey and white post,
Grey metal 0 0 6  Grey metal 0 3 6  COAL 1 0 9  Grey metal 1 0 9  Grey metal 0 1 6  Grey metal 0 0 1 6  COAL 0 0 5  Grey metal 0 1 0  Grey metal 0 1 0  COAL 0 0 6  Grey metal 0 1 0  COAL 0 0 6  Grey metal 0 1 6  Grey metal 0 1 0  COAL 0 0 6  Grey metal 0 1 6  Grey white post 2 1 0  White post, with whin 3 3 0  COAL 0 1 5  Grey metal stone 0 1 0  Grey metal stone 0 5 0  Grey and white post 2 0 1  COAL 0 1 0  Grey metal stone 0 5 0  Grey and white post 2 0 1  COAL 0 1 0  Grey metal stone 0 5 0  Grey and white post 2 0 1  COAL 0 2 1  Grey metal stone 0 2 0 3  Grey metal stone 0 2 1  Grey metal stone 0 2 1  Grey post 1 4 3  In whin 0 2 1	stone girdles White post, mixed								Grey metal 0 1 0 COAL 0 0 2
Grey metal 0 3 6       0 0 5         COAL 0 0 0 5       0 0 0 5         Grey metal 1 0 9       1 0 9         Grey metal 0 8       0 1 6         Grey metal 0 2       0 1 6         COAL, with water 1 0 0       0 1 5         White post, with whin 3 3 0       0 1 5         COAL 0 1 5       0 1 5         Grey metal 0 1 0       0 1 5         Grey metal, with post girdle 1 2 10       0 0 3         Grey metal with dark scares 0 4 4       0 0 0 3         Grey metal stone, with post girdle 0 4 6       1 4 3         In whin 0 2 1       1 4 3         In whin 0 2 1       1 4 3         In whin 0 2 1       2 0 4					3	3	11	L	Grey metal 0 1 6 Dark grey metal stone,
Grey metal 1 0 9  COAL, with water 0 8 Grey metal 0 2  COAL, with water 1 0 0  water 1 0 0  Grey metal stone 1 2 10  Grey metal, with post girdle 1 2 10  Grey metal stone, with post girdle 0 4 6  Grey metal stone 0 2 1 4  Grey metal stone, with post girdle 0 4 6  Grey metal stone 0 2 1  Grey metal stone 0 5 0  Grey metal stone 0 5 0  Grey metal stone 0 0 1 0  Grey metal stone 0 5 0  Grey and white post 2 0 1  COAL 0 0 3  Grey metal stone 0 0 3  Grey post 1 4 3  In whin 0 2 1  Grey post 1 4 3  In whin 0 2 1					0	3	11		with post girdles 2 2 7 Black metal 0 1 0 COAL 0 0 6
COAL, with water 0 8         Grey metal 0 2       1 0         COAL, with water 1 0       1 2 10         Grey metal, with post girdle 1 2 10       Grey and dark post, with whin 3 3 0         Grey metal stone 0 1 0       Grey metal stone 0 5 0         Grey and white post 2 0 1       Grey and white post 2 0 1         COAL 0 0 3       COAL 0 2 3         Grey metal stone 0 4 4       Grey post 1 4 3         Grey metal stone, with post girdle 0 4 6       0 2 1	Ft. In.		0	9	O		1.		Grey metal 0 1 6 Grey white post 2 1 0
Grey metal, with post girdle       1 2 10         Grey metal stone       0 4 4         Grey metal stone, with post girdle       0 4 6     Grey metal 0 1 0 Grey metal stone 0 5 0 Grey and white post 2 0 1 COAL 0 0 3  Grey and white post 2 0 1 COAL 0 0 3  Grey post 1 4 3  In whin 0 2 1  Grey post 1 4 3  In whin 0 2 1  Grey post 2 0 4  Grey post 1 2 10  Grey post 1 2 10  Grey post 1 2 10  Grey post 1 2 3  Grey post 2 0 3  Grey post 2 0 4  Grey po	water 0 8 Grey metal 0 2								White post, with whin 3 3 0 COAL 0 1 5
Grey metal, with post girdle 1 2 10  Grey and dark post, with dark scares 0 4 4  Grey metal stone, with post girdle 0 4 6  Grey metal stone, with post girdle 0 4 6		0	1	10	1	2	; ;	7	Grey metal stone 0 5 0
with dark scares 0 4 4 Grey metal stone, with post girdle 0 4 6  Grey metal stone,  The whin 0 2 1	girdle		2	10					COAL 0 0 3
m / 1 93 5 11	with dark scares Grey metal stone,							`	In whin 0 2 1
						0	) (	- 6	Total 83 5 1½

#### No. 2,203.—WHITEFIELD.

#### TOWNSHIP OF CHOPWELL, DURHAM.

Sheet 5 of Ordnance Map. Lat,

, Long.

Account of Boring in the John Pit, Whitefield Colliery, from the Five-Quarter Coal Seam, Chopwell Lordship.

Approximate surface level feet above sea (Ordnance datum).

Thill				Fs.	Ft.	In.	Brought forward		Ft.		Fs. 8	Ft.	In. 7
Strong grey metal stone, with mixture whin girdles	2	2	0				Grey post, with coal pipes Blue and black metal	0	5	4 3			
Blue metal stone, with whin girdles							COAL		ŏ	3	1	2	10
COAL	0	2		4	0	1	Blue and black metal Grey post, with black	0	1	2	_	_	10
Strong grey and white metal stone, with							scamy partings Blue metal stone						
strong white girdles Whin	1 0	3 1	1 4				Grey post, with black scamy partings						
Grey metal stone, with whin girdles	2	0	0				Blue metal Black slate, with a						
Strong white post Blue metal	0	0	5				mixture of coal COAL, rather coarse						
COAL	0	0	4	4	3	6	at bottom	0	2	8	3	2	2
Blue metal		3	0				In blue grey metal				0	1	6
Carried forward	0	3	0	8	3	7	Total		• • •	=	13	4	1

### No. 2,204.—WHITEFIELD.

TOWNSHIP OF CHOPWELL, DURHAM.

Sheet 5 of Ordnance Map. Lat.

, Long.

Account of Boring at Whitefield Colliery, near Chopwell Hall, from the Five-Quarter Coal Seam.

Sunk to scaffold 15 0 6	Brought forward Fs. Ft. In. Fs. Ft. In. Brought forward
BOX U 1 Z	Blue metal stone, with
Box 0 1 2 Soft grey metal 0 0 6	whin girdles 2 0 7
Strong blue grey	Black metal, mixed
metal stone, with	with coal 0 1 6
strong girdles 2 2 10	Grey metal 0 0 6
Black slate, mixed	Grey post, with black
with coal 0 0 4	
	scamy partings 2 5 8
Grey metal stone, with	COAL 0 0 6
post girdles 0 3 10	5 2 9
Black slate 0 2 0	Blue metal, with
Blue grey metal stone 0 2 6	girdles 0 5 0
COAL O D O	Brutes 0 5 0
COAL 0 2 9	Black slate 0 0 11
19 4 5	COAL 0 2 5
	1 2 4
	1 2 1
0 110 1 10 4 7	
Carried forward 19 4 5	Total 26 3 6

### No. 2,205.—WHITE LEE.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 25 of Ordnance Map. Lat. 54° 43′ 53″, Long. 1° 45′ 28″.

Account of Strata bored through in the Little Pit, at Spearman's White Lee Colliery,  $8\frac{1}{4}$  fathoms sunk.

Soil Yellow clay Blue clay, with tum-	$\begin{array}{cccc} 0 & 1 & 2 \\ 0 & 3 & 0 \end{array}$	Fs. Ft. In.	Brought forward 4 1 10 11 4 7 Grey metal 3 5 10 COAL 0 1 5	
blers Dark soil and clay Sandy gravel Strong blue clay	1 0 0 0 4 0 0 2 8 5 2 10	-	Grey metal 0 3 8 COAL 0 0 5	
		8 1 8	0 4 1	
Grey metal Whin girdle and	0 2 8		Strong grey metal 0 2 10 Whin, with water 0 0 9	
Strong grey metal stone	0 0 4		Grey metal 0 2 4 Grey post 0 1 4 White post, with	
COAL	0 1 10	1 2 6	much water 0 2 6 Strong grey post 0 4 9	
Grey metal Grey post, with much	0 3 6		Grey metal 0 0 5 Strong white post, with water 8 4 7	
water Grey metal Grey post	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		Grey metal 1 0 10  COAL — Brockwell  Seam 0 4 0	
Grey metal COAL—5/4 Seam	0 1 10 0 2 10		Seam 0 4 0 13 0 4	d
Grey metal	0 2 10	2 0 5	Strong grey metal 1 2 8 Grey metal, with post girdles 1 0 0	
Grey post, with metal partings	2 0 4		Dark grey metal 0 2 2   Grey post 0 4 2	
White post, with water Whin, with water	1 1 7		3 3 (	)
below water	0 3 1			
Carried forward	4 1 10	11 4 7	Total 37 3	1

### No. 2,206.—WHITE LEE.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 25 of Ordnance Map. Lat. 54° 43′ 52″, Long. 1° 45′ 30″.

Account of Strata sunk and bored through in the Big Pit, White Lee Colliery, in 1840 and 1841.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil	. 0	1	2				Brought forward 2 0 4 20 5 7
Yellow clay	. 0	3	0				Light grey post 0 2 0
Blue clay, with tum-		_	_				
11	- 4	7	0				
blers		1	0				Light post 0 1 10
Dark soil and clay	0	5					White post, with balls
Sandy gravel		2	8				of metal 7 0 11
Strong blue clay	5	. 2	11				Dark grey metal 0 5 0
Grey metal	_	3	0				- war grey metter o o o
Whin girdle, with	_	U	0				Mata C. 1 C.
, ,		_	- 4				Main Coal Seam—
water	0	0	4				COAL 3 11
Strong grey metal							0.31
stone	0	3	8				Splint 0 3
COAL	0	1	10				0 4 2
				7.0	_	_	U 4 Z
			-	10	0	7	11 2 8
· a	_						
Grey metal	0	4	6				Grey metal stone, with
Grey post, with much							post girdles 2 3 3
water	0	3	0				White post 0 2 0
Grey metal	0	0	8				
0 1	ŏ	-	7				2 5 3
Grey metal			8				
COAL-5/4 Seam	0	3	1				Total sunk 35 1 6
				2	2	6	Bored:—
				_		U	White post 2 1 0
Strong grey metal	1	5	0				Grey post, with water 1 4 0
Very strong grey post,	-	U	0				Dark metal 1 5 3
very strong grey post,							The state of the s
with water and	_						
metal partings	2	3	0				Blue metal 0 3 3
Strong grey metal							COAL and Ft. In.
and water	3	1	0				black stone 1 3
COAL	0	2	0				Grey metal 0 6
	_	_	~				COAL, mixed
				7	5	0	with black
C ( ) ( ) ( )							
Grey metal thill	0	3	0				stone 1 9
COAL	0	0	6				0 3 6
				_	_		
			-	0	3	6	<del> 7 0 3</del>
Gray motal -ton-	0	0	0				
Grey metal stone	0	2	0				Grey post 0 4 6
Strong grey post, with							White post 1 0 2
metal partings	1	4	2				
Dark metal	0	0	2				1 4 8
***		,	_				
Carried forward	2	0	4 2	0	5	7	Total 14 0 F
	_	-	F 2		U	1	Total 44 0 5

#### No. 2,207.—WHITE LEE.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 25 of Ordnance Map. Lat. 54° 43′ 43″, Long. 1° 46′ 0″.

Strata bored through at White Lee, 200 yards East from Mr. Angus's Farm House, near the Beck.

Approximate surface level 700 feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Soil 0 1 0	Brought forward 5 1 3
Yellow clay 0 3 0	Grey metal 0 0 6
Strong blue clay 0 5 0	Grey post, with metal
Gravel, with water 0 4 0	partings 1 0 3
Grey metal 0 5 0	Grey metal, with post
Strong grey metal	girdles 1 0 10
stone 0 3 0	COAL 1 0 7
Grey metal, with post	3 2 2
girdles 1 2 0	Grey metal 0 0 7
COAL, with a siping	Dark grey metal, with
of water 0 2 3	scares of coal 0 1 0
5 1 3	Grey metal, with water 1 0 0
	In white post 0 3 6
	——————————————————————————————————————
	1 0 1
0 110 1 7 1 0	m
Carried forward 5 1 3	Total 10 2 6

#### No. 2,208.—WHITE LEE.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 33 of Ordnance Map. Lat. 54° 43′ 33″, Long. 1° 45′ 10″.

Account of the Strata sunk in the Bolckov Pit, New White Lee Colliery.

Approximate surface level 595 feet above sea (Ordnance datum).

Yellow clay Blue clay Gravel and sand	0 3 8	Fs. Ft. In.	Brought forward Sunk below the Coal:—	Fs. F		rs. Ft. In. 2 4 10
Dark blue clay				0 ]	6	
Blue clay	442		Fire clay, with iron-			
Sand	. 0 4 0		stone nodules	1 1	6	
Hard white post, with	1		White post	0 ]	L 6	
partings	444		Grey metal	0 (		
	0 4 6		White post	0 1	. 0	
, 8		12 4 10	Grey metal	0 (	) 1	
			Grey post	0 1	l 8	
			Grey metal	0 1	. 5	
				0 (		
						2 3 3
					-	
Carried fo	rward	12 4 10	Total	٠	1	5 2 1

# No. 2,209.—WHITE MARE POOL.

#### TOWNSHIP OF HEWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat.

, Long.

Account of Strata bored through at the White Mare Pool, for Thomas Wade, Esq., by George Rawling. 1800.

 $\label{eq:Approximate surface level} \mbox{ feet above sea (Ordnance datum).}$ 

													** -
	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	Ιń.	Fs.	Ft.	In.
Sunk to scaffold	1	2	0				Brought forward	1	4	6	41	2	11
Box	8	0	0				Grey and black metal						
Grey and black metal,							with girdles	1	2	3			
	K	3	0				COAL		ō				
with girdles	5	9	U				COAL	U	U	7			
White post, with part-			_							_	3	1	4
ings and water	0	4	6								_		
Grey metal, with gir-							Grey metal stone, with						
dles	3	0	0				. 11	3	0	6			
Blue and black metal	0	ĭ	8					o	U	U			
		-					COAL, mixed with						
COAL, foul	0	0	6				black metal		1	0			
				18	5	8	Black grey metal	0	1	6			
~				2.0	•		COAL		0	7			
Grey metal	1	3	0					•	•	•			
White post	0	3	0					_			3	3	7
Grey metal, with gir-													
	2	4	7				Grey metal and white						
0041							post	6	0	0			
COAL	0	U	9				Grey metal and metal	-	-				
				4	5	4		0	3	0			
					0	-	stone, with girdles	2		0			
Blue and grey metal,							White post	5	0	0			
with girdles	2	0	0				Grey metal and post						
White post, with part-							girdles	1	2	0			
ings and water	1	2	0				White post, with part-						
							ings, water, and						
COAL, foul	0	U	4					17	=	0			
				3	2	4	sulphur	7	5	0			
~				0	_	-20	Grey metal stone and						
Grey metal	0	1	0				post girdle	0	3	0			
Blue grey metal	2	4	6				Strong white post	4	2	0			
White post, with water	0	4	0				Grey and blue metal	3	2	0			
Blue grey metal, with		_					COAL	0	0	8			
	0	0	0					U	U	O			
girdles	3	3	0				Black metal, mixed						
White post with							with coal	0	0	4			
water	2	3	0										
COAL, foul	0	0	3								31	0	0
,					_								
	_			9	3	9	Grey metal	0	1	8			
Grey metal	1	1	0				Grey metal, and metal						
Strong white post,		1	U				stone with post						
. 111	0	0	-					1	4	c			
with water		-	0				girdles	1		6			
Grey metal stone	0	1	6				Strong white post	1	3	0			
Blue metal	0	0	6				Whin	0	0	6			
COAL			10				Strong white post,						
***							mixed with whin	1	2	6			
	-			4	3	10	Whin	0	õ	9			
Grey metal	0	1	c					U	U	J			
White post with	1						Strong white post,			_			
White post, with water	T	0	0				mixed with whin	4	0	0			
0				-				_					-
Carried forward	1	4	6	41	2	11	Carried forward	9	0	11	79	1	10

# No. 2,209.—WHITE MARE POOL.—CONTINUED.

			Ft. In.	F	s. Ft.	In. Fs.	Ft. In.
Brought forward	9 0	11 79	1 10	Brought forward	4	0 99	4 0
Whin	0 3	0		White and black			
Strong white post,				metal	2	0 .	
	2 0	0		metal (Grey scamy post (	1 7	0	
Grey and blue metal				Grey scarry post (	· ·	U	
	1 0	U		Grey metal, with gir-			
Grey metal stone, with				dles	3 0	0	
post girdles	1 0	0		Grey and white post,			
COAL	0 0	8		with whin	3	0	
		<b>—</b> 13	4 7	Blue metal	0 (	8	
		19	* /	Grey metal and metal		•	
Grey and blue metal,				stone, with girdles	т (	٥	
with post girdle	3 4	6		COAL gridles	7 1	0	
Grey post Whin	0 2	Õ			) 1	U	
Whin	0 1	6		_		15	3 8
	0 1	U					
Strong white and grey				Grey metal, with gir-			
	0 4	0		dles	3 2	0	
Grey girdly stone and				In grey and white	_		
metal partings	1 2	0		post	0	0	
COAL	0 1	1		post	. 0	0	
			0 7	-		- 4	2  0
		6	3 7				
Grey metal, with gir-							
	4 4	0					
***	E						
Carried forward	4 4	0 99	4 0	Total		119	3 8
				1			

### No. 2,210.—WHITLEY.

TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

### A Trial Borehole at Whitley, near the Monk House.

Fs. Ft.	In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
1 1	0	Brought forward 14 0 11
		Black stone 0 0 10
	•	Grey metal, with post
1 0	0	girdles 2 0 10
		Blue metal 0 2 2
		Black stone 0 0 8
0 5	5	COAL - Low Main
		Seam 0 3 0
8 1	0	17 2 5
		1/ 2 0
14 0	11	Total 17 2 5
14 0	11	10001 17 2 0
	1 1 1 1 1 2 0 1 0 5 8 1 1 2	Fs. Ft. In. Fs. Ft. In.  1

### No. 2,211.—WHITLEY.

#### TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.

, Long.

Account of the Strata passed through in sinking a Pit adjoining Hartley Boundary, Whitley Links.

Approximate surface level

feet above sea (Ordnance datum).

Clay 3 0 0	s. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Oldy	Brought forw	
Sand and gravel 1 1 6	Thill stone	0 5 6
Grey post 0 4 0	White post	0 3 0
White post 1 2 0	Grey whin	0 1 0
Blue shale 0 1 6	Grey shale	0 4 0
Ironstone band 0 0 1	White post	0 2 0
Blue metal 0 2 0	Grey whin	0 1 0
231110		1 0 0
	42	
Blue metal 0 1 0	Ironstone	0 0 8
Ironstone band $0   0   0_4^{\frac{1}{4}}$	in asser-scarp	0 0 8
Blue shale 0 1 8	( Ironstone	0 0 4
Ironstone band 0 0 1	Grey shale	0 4 0
Blue shale $0 \ 1 \ 0\frac{3}{4}$	White post	0 2 10
Black stone 0 0 8	Grey whin	0 1 0
224024 010410 111	Grey shale	1 0 6
COAL 2 5	was "w .	0 1 1
		0 0 0
Band 1 0	Thill stone	0 2 0
COAL 1 10	COAL, bottom	0 1 8-
0 5 3		<b>——</b> 7 2 0
	8 3 0	
-		
Carried forward	8 3 0 Total	15 5 0
5.52-2042 1.52 1.100		

* 12 inches in 20 took up 16 inches of grey shale, making 3 feet. The mussel-scalp contains a good deal of iron. In a 6 feet place, suppose a man to clear 2 feet in a shift, the produce would be 6 feet  $\times$  2 = 12 cubic feet =  $1\frac{1}{6}$  tons.

#### No. 2,212.—WHITLEY.

TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Bored 130 yards to North-east, 6 feet below High Water Mark, at Whitley Park.

						Fs.	Ft.	In.	Fs.	Ft.	In.	
Blue metal		 				0	3	0				
White post		 		•••		1	2	0				
Blue metal st	one	 	٠			0	5	0				
Black stone		 				0	1	0				
COAL		 				0	4	2				
Grev metal		 				0	0	9				
COAL		 				0	1	0				
Dark thill		 				0	0	7				
									3	5	6	
		Total							3	. 5	6	
Black stone COAL Grey metal	•••	 •••	•••	•••	•••	0 0 0 0 0	1 4 0 1	0 2 9 0			_	-

#### No. 2,213.—WHITLEY.

#### TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Bored in Whitley Colliery, S. 30° E. from mouth of Drift, South of Mrs. Wright's House, and 950 links from Drift. First Hole. June 10th, 1804.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Clay	1	2	0		Brought forward 8 0 6
Brown post	1	3	0		Grey metal stone, with
Grey metal stone, with					post girdles 1 1 6
white girdles	0	3	0		White post 0 3 0
Grey metal stone	1	0	0		Whin 0 1 3
White post	1	0	0		Blue metal stone 0 5 0
Brown post					Black stone 0 1 0
White post	0	3	0		Old waste (supposed
Blue metal, with dark					Main Coal) 1 0 0
scames	1	2	6		12 0 3
Carried forward	8	0	6		Total <u>12 0 3</u>

### No. 2,214.—WHITLEY.

#### TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Bored at Whitley Colliery in a Field about 500 yards South-east from Mr. Hudson's House. Second Hole. June 30th, 1804.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Clay 1 1 0	Brought forward 10 1 5 12 0 3
Brown post 0 1 0	White post 0 4 7
Dark blue metal stone 1 2 0	Blue metal stone 2 0 0
Brown post 0 4 0	COAL 0 0 3
Dark grey metal 0 5 0	13 0 3
	White post 2 1 0
Brown post 6 4 0 White post 0 3 5	Blue metal 1 3 10
Five-feet Coal Seam—	Black stone 0 1 1
COAL, strong Ft. In.	Grey metal stone 0 1 10
and good 2 0	White post 0 5 9
Blue metal	Blue metal 1 2 4
stone 0 10	Black stone 0 1 1
	Main Coal Seam—
,	
0 3 10 $-$ 12 0 3	COAL, chan- Ft. In. nel 0 6
Blue metal stone 1 4 6	COAL, strong 4 5 0 4 11
Grey metal 5 0 2	— 0 4 11 — 7 3 10
Grey post 2 1 11	
Whin 0 0 4	In dark blue metal 0 0 10
Grey metal stone 1 0 6	1 -
~	m . 1 00 5 0
Carried forward 10 1 5 12 0 3	Total 32 5 2

### No. 2,215.—WHITLEY.

TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Sunk East from Whitley Park, near to High Water Mark. September 6th, 1804.

Approximate surface level feet above sea (Ordnance datum).

Clay White post	Fs.	Ft.	In. 0	Fs. Ft. In.	Brought forward 5 3 0
White post	0	4	0		Black stone 0 1 0
Dark grey metal White post, much mixed with whin	0	0	0		COAL 4 2 Grey metal 0 8 COAL 0 11
Grey metal stone	0	3	0		
White post	U	Z	U		0 5 9
Dark grey metal stone	0	4	6		6 3 9
					Dark metal stone 0 0 11
Carried forward	5	3	0		Total <u>6 4 8</u>

### No. 2,216.—WHITLEY.

TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Bored at Whitley, in a Field near the Village, No. 5 upon the Plan. Approximate surface level feet above sea (Ordnance datum).

Clay	Fs. 2		In. 6	Fs.	Ft.	In.	Brought forward 8 0 3 7 2	In.
COAL		1					Whin 0 1 8	_
	_			2	5	0	White post 2 3 5	
Thill	0	3	0	_			Whin 0 4 8	
Blue metal stone		1	6				White post, with gul-	
Post	1	2	1				lets 3 4 5	
Blue metal stone	0	5	10				COAL 0 2 0	
COAL	0	2	9				15 4	5
				4	3	2	Blue metal 0 1 2	
Thill	0	4	10				COAL, brassy and	
Post	1		4				tender 0 1 4	
Dark metal stone	0		5					6
Grey metal stone	0	4	8				Dark thill 0 5 4	
Post, with metal							Blue stone 1 1 2	
partings	1	0	5				Scamy post 3 1 11	
Post, with cashy part-							Blue stone 0 4 10	
ings	1	5	7				Black stone, mixed	
Blue metal stone	0	1	8				with coal 0 1 3	
Post stone	1		4				Blue metal 1 0 9	
Carried forward	8	0	3	7	2	2	Carried forward 7 3 3 23 3	1

### No. 2,216.—WHITLEY.—CONTINUED.

Brought forward 7	s. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In. Brought forward 3 4 3 32 4 1
Black stone, mixed	0 0 10 0 1	Dark grey metal 0 0 8
	0 11	White post, with gul-
COAL 0		lets 1 0 2
-	8 0 2	Blue metal 1 2 1
Dark grey thill 0	1 2	Black stone 0 1 0
	1 10	Date Stone 0 1 0
	1 4	Ft. In.
Black stone, mixed		COAL, cannel 0 3½
with coal 0	0 6	COAL 3 7
COAL 0	1 8	— 0 3 10 <del>1</del>
Black stone, mixed		
with coal 0	0 4	$7 0 0\frac{1}{2}$
	1 0 10	Grey metal 0 1 0
Grey thill 0	1-1	COAL, bottom 0 0 11
	. 4 3	0 1 11
	0 11	In dark grey metal 0 0 3
Blue stone 1	3 0	
Black stone, with		
mussel-scalp and		
girdle 0	1 0	
Carried forward 3	4 3 32 4 1	Total $40 \ 0 \ 3\frac{1}{2}$

# No. 2,217.—WHITLEY.

#### TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Bored at Whitley, in Mr. Campbell's North Field, adjoining Mr. Hudson's. No. 6 Hole.

Clay O 5 0	Brought forward Fs. Ft. In. Fs. Ft. In. 15 3 10
	White thill 0 0 9
	Grey post, with water 2 4 0
Brown post 3 0 5	
COAL 2 4	Blue stone with dun
Dark grey metal 1 0	girdles 1 1 4
	Black stone, with
= *	mussel-scalp girdle 0 1 4 Grey metal 0 1 3
0 4 9	
5 2 2	Mild white post, with
Grey thill 1 3 0	water 1 0 5
Scamy post 6 3 0	Blue metal 0 5 11
Blue metal 0 3 4	Black stone 0 1 5
Black stone, mixed	Ft. In.
with coal 0 0 10	COAL, cannel 0 3½
Dark metal 0 2 0	COAL 3 8
COAL 0 2 0	0 3 111
9 2 2	7 2 43
Dark grey metal,	
mixed with post 0 3 7	Grey metal 0 1 6
	COAL, bottom 0 0 9
COAL 0 1 11	Grey thill 0 0 4
0 5 6	0 2 7
Carried forward 15 3 10	Total 23 2 91
To b 10	
•	P

#### No. 2,218.—WHITLEY.

TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Bored at Whitley, in North-east corner of Ben. Mitchell's Field, adjoining Huddlestone, near Tynemouth. No. 7 Hole. October 27th, 1816.

Approximate surface level

feet above sea (Ordnance datum).

Soil and clay Fs. Ft. In. Fs. Ft. In.  Soil and clay 0 5 8	Brought forward 16 1 $8\frac{1}{2}$ 16 5 $2\frac{1}{2}$
Grey metal 1 0 10	COAL 0 0 8
Blue metal 0 1 0	
Broken post 2 2 0	White post, with whin
Blue metal 0 2 4	girdles 0 5 7
COAL 0 2 10	Grey metal stone, with
——— 5 2 8	post girdles 1 4 0
White thill 0 1 10	Blue metal 0 2 6
White post 2 1 0 Black stone 1 0 2	Black stone, with spar
White post, with whin	and ironstone girdles 0 1 8
girdles 7 0 0	Grey metal stone, with
Blue metal 0 0 6	post girdles 1 5 8
Ft. In.	Black stone 0 0 10
COAL 2 7	Ft. In.
White thill 2 4	COAL, splint,
<b>COAL</b> $0 \ 1\frac{1}{2}$	and stone 0 9
$050\frac{1}{2}$	COAL - Low
$11 2 6\frac{1}{2}$	Main Coal
White thill $0 \ 1 \ 8\frac{1}{2}$	Seam 3 9
Blue metal 0 3 7 Grey metal 1 4 1	046
	0 0 0
White post, with me-	COAL, bottom 0 0 8
tal partings, whin	——— 0 0 11
girdles, and water 13 4 4	White thill 0 0 10
Carried forward 16 1 $8\frac{1}{2}$ 16 5 $2\frac{1}{2}$	Total 39 4 1
Out 101 ward 10 1 02 10 0 22	2002 111 111 00 1 2

#### No. 2,219.—WHITLEY.

TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Account of Strata bored through at Whitley, in a Trial Hole, from the Low Main Coal, J Pit, Old Cullercoats Colliery. December 1st, 1818.

Dark coaly thill 0	Ft. In. Fs. Ft. In.	Brought forward		Ft.	In.		Ft.	
White post, with metal		Light grey thill		1	6			
partings 2	5 0	Dark grey metal	1	0	0			
White post, with whin		Light grey metal, with						
clyers 4		girdles	7	0	0			
COAL 0	0 11	White post, with me-						
	7 3 5	tal partings, whin						
		clyers, and water	8	4	8			
Carried forwa	ard 7 3 5	Carried forward	17	0	2	7	3	5

# No. 2,219.—WHITLEY.—CONTINUED.

Brought forward	Fs. 17	Ft. 1		s. Ft.		Brought forward 7 2 6 37 3 0
Grey metal	0	3	1			Ft. In
Blue metal, with						COAL 1 01
girdles	1	4	4			Dark band 0 81
Grey post	2	2	2			COAL 0 5\frac{1}{2}
Strong white post	7	0	2		~	$$ 0 2 $2\frac{1}{2}$
Grey metal	0	5	6			7 4 8
Ft. In.						Dark band 0 0 71
COAL 0 10	1					White thilly metal 0 1 10
Dark band 0 6						COAL 0 0 10
COAL 0 9						0 3 31
	0	2	2			Grey thill 0 4 5
*****			- 29	5	7	White post, with whin
White thill		2				clyers 2 3 7
Grey metal	0	2	7			Blue metal 0 0 4
White post	2	2	4			COAL, with swad 0 2 21
Grey metal		2				3 4 64
Grey post		-	0			White thill 0 1 2
White post		1 1				Grey metal stone (fin-
Grey post	0	2	9			ished Jan. 9th, 1819) 4 0 4
						4 1 6
~					_	¥ 1 0
Carried forward	7	2	6 37	3	0	Total 53 5 0½
						1000 000

### No. 2,220.—WHITLEY.

#### TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

### Account of Sinking at Whitley A Pit. Begun April 16th, 1817.

Fs. Ft. In. Fs.		Fs. Ft. In. Fs. Ft. In.
Outset 2 0 0	Brought forwar	d 19 4 6
Soil and clay 0 4 4	Blue metal	. 0 3 0
Sand, with water and	. Black stone	. 0 0 8
tumblers at the	COAL - Low Main	
bottom 1 0 0	Seam	. 0 3 0
Blue clay 1 5 0		20 5 2
Grey metal stone 1 1 8	White thill	. 0 0 6
Post, with partings,	Grey metal and pos	t
whin clyers, and	girdles	
water 8 2 6	Grey metal and pos	t
Blue metal 2 1 4	girdles	
Black stone and iron-	White post	
stone 0 1 8	1	1 4 0
Grey metal stone, with	T Ct . CC in makin Turn	-
post girdles and	Left off in whin, June	,
water 2 0 0	4th, 1817.	
2 0 0		
	m + 1	99 9 9
Carried forward 19 4 6	Total	· <u>ZZ 3 Z</u>
	1	

### No. 2,221.—WHITLEY.

# TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

Long.

Account of Strata sunk through in the Engine Pit, at Whitley Park. The Pit is 10 feet 6 inches in diameter, and was begun October 11th, 1819.

													-
	Fs.	Ft.	In.		Ft.		1		Ft.			Ft.	In.
Outset				-1	4	6	Brought forward	4		0	24	1	7
Soil and clay	1	1	0				Scamy white post	0	5	5			
Grey metal	2		0				Dark thill and scares						
Ft. In.	~	0	•					0	1	0			
COAL, foul 1 2							of coal on the top	0	1	3			
							Grey thill	0	3	0			
Slaty band $0   1\frac{1}{2}$							Dark grey metal	1	0	0			
COAL 0 8							Scamy grey metal	2		9			
	0	2	0					_	-10	U			
	•	_	•	4	2	0	Whin and post girdles,			_			
5 1 13 113 113 1				4	4	U	with water	1	3	6			
Dark thill, with coal	U	1	0				Scamy grey metal,						
Grey metal stone, with							with post girdles	3	4	6			
ironstone girdles	1	1	0				COAL POST GITCHES	U	-30	U			
	•	_	•				COAL in hade of						
Grey post, with whin	-	_					dyke	0	0	6			
clyers	1	2	4								15	0	11
Grey metal	0	1	0				Whin girdles with						
Post girdles	0	2	0				Whin girdles, with						
	0	_	0				metal partings and						
Grey metal, with scamy		_					water	1	1	3			
post girdles	0	3	0				Blue metal, with iron-						
Dark grey metal, with								1	2	0			
metal girdles	0	2	8				stone girdles	1	4	0			
							Scaling post, with						
COAL—Yard Seam	0	2	6				grey metal partings	1	1	3			
				4	3	6	Grey metal stone		0 :				
Grey metal	0	3	3										
Scamy post, with		_	_				Scamy post girdles	0	0	9			
	-		•				Grey metal, with gir-						
water	1	3	6				dles	1	0	4			
Black stone	1	0	6				Black stone			0			
Grey metal	0	2	0				Low Main Coal Seam-	•		•			
Post girdles, with	•		•										
1	_	_	_				Ft. 1n.						
water	0		0				COAL, top 0 4						
Grey metal	0	1	6				Black stone 0 2						
White scamy post,							COAL, splint 0 2						
with whin clyers							COAL 3 11						
1 ,	0	-					OOAL 3 11	_		_			
and water	8	1	3					0	4	7			
Ft. In.										-	6	0	0
COAL 1 11							Grey thill	0	0	5			
Black stone 1 5									1	ĭ			
0011										_			
COAL 1 3	_		_				Black thill stone	0	3	6			
-	0	4					Scamy grey post	2	0	0			
			_	13	3	7					2	5	0
Grey thill	1	0	0										
Grey metal	0	5	0										
Scamy grey post		0	0										
Whin	0	3	0										
Carried forward	4	2	0	24.	1	7	Total			.1	8	1	6
Satisfied for walld	7	4	0	C.3.	1	1	Total	,	••	-4	0	1	_

# No. 2,222.—WHITLEY.

#### TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.

Long.

Account of Strata bored through in Whitley Engine Link Pit, from the bottom of the Low Main Coal Seam. 1823.

		1		Α
Grey thill COAL, bottom	0	Ft. In. Fs. 0 8 0 10	Ft. In.	Brought forward 13 3 5 21 1 4 Grey post, with metal partings 1 0 5
Grey thill Grey post White post, with whin	0 1	1 6 3 0	1 0	Grey metal 0 3 11  Ft. In. 2 · 0
clyers and metal partings COAL	3 0	4 0 0 8 — 5	3 2	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Light grey thill Grey metal, with post girdles White post, with water	0 5 3	2 0 4 4 1 0		Grey thill 0 2 5 4 Grey metal 0 2 6 White post, with water 1 4 2 Grey metal 0 1 4
Grey post, with metal partings White post, with water	1 4	3 0		Grey post 0 5 0 White post 0 3 0 Grey metal 0 4 2
Grey metal, with coal pipes COAL	0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2 8	COAL 0 6½ Band 0 1½ COAL 0 5
Grey metal stone White post, with water and whin	0	1 4 1 10		$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
Grey metal stone, with post girdle  Dark blue metal, with	1	4 9		Dark grey post
ironstone girdles Black stone Grey post, with metal partings	0 0 1	2 6 0 3 2 1		
White post, with metal partings Light grey metal	1 0	1 8 2 6		COAL 0 0 4  Dark grey thill 0 1 1
Strong grey post, with partings Grey metal stone, with	1	3 6		Grey post 1 2 4 Grey metal 0 1 1 COAL 0 1 9
post girdles Strong white post, with whin	0	4 1 2 11		Left off in white thill 2 0 3 0 1 9
Carried forward	13	3 5 21	1 4	Total 49 3 0

#### No. 2,223.—WHITLEY.

#### TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

No. 1, Monkseaton Royalty. Trial Hole in Whitley Park, 10 yards North of the Waggonway, against the West side of the Park. Begun February 6th, and finished February 7th, 1832.

Approximate surface level feet above sea (Ordnance datum).

				Fs.			Fs.	Ft.	In.
		 			1	8			
Strong blue gravelly clay		 		2	2	9			
			Ft. In.						
COAL		 • • •	0 6						
		 	1 5						
COAL, mixed with grey	metal	 ***	0 7						
				0	2	6			
							4	0	11
Grey metal		 					0	3	7
									_
	Total	 					4	4	6
							=		

#### No. 2,224.—WHITLEY.

TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

No. 2. Trial Hole for the High Main Coal Seam, 45 yards South of the Waggonway, near the Lane, against the West side of Whitley Park, and 270 yards South 33 West from the Engine Pit. Begun February 7th, finished February 16th, 1832.

		t. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Soil and clay			Brought forward 10 3 11
Sand and gravel	0 2 0 2	2 0	High Main Coal
Strong blue clay	0 2	2 9	Seam—
Grey metal	1 4	£ 7	Ft. In.
Post girdles, with			COAL, tender 2 10
	0 8	5 8	Dark band 0 3
Post			COAL 1 11
Grey metal stone, with			<u> </u>
	0 8	K 11	COAL, ground 1 9
post gridles	0 6	J 11	White thill 0 9
			COAL, bottom 2 9
			0 5 3
			12 2 2
			Left off in dark grey
			thill 0 0 3
Carried forward	10 9	3 11	Total 12 2 5
Carried for ward	10 6	,	10001 111

### No. 2,225.—WHITRIDGE.

#### TOWNSHIP OF WHITRIDGE, NORTHUMBERLAND.

Sheet 62 of Ordnance Map. Lat.

, Long.

Bored at Whitridge, near the Bog, near the South-east corner of the Field.

Approximate surface level feet above sea (Ordnance datum).

				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil	0	1	0				Brought forward 2 1 6 12 0 11
Clay, mixed with sand							Grey post 0 1 0
and water	2	0	0				Whin 0 0 11
Stony clay	1	5	0				Blue metal 1 2 3
White post	0	2	6				Grey metal, with scares
~ 111	ĭ	5 2 1	ő				A 7 '
Grey metal stone Ft. In.	1		U				
0041 0 0							Grey metal 0 1 0
							Black stone 0 0 6
Grey, brown,							COAL 0 0 6
and blue							1 9 9
scamy metal 0 3							4 2 0
COAL, with							Dark grev metal 0 1 0
some small							
bands of metal 0 2							Grey metal stone 0 5 0 Blue grey metal 3 4 0
bands of metal 0 2	0	1	1				
	U	т	-	5	4	7	Ft. In,
~			_	Э	4	7	COAL, with
Soft grey metal, with							brown scames 1 8
scares of coal	0	1	0				COAL, with
Grey metal stone	0	5	5				brass lumps
Grey and white post,							or scare bands 0 3
with water	3	3	0				COAL, with
	1		0				
Grey metal	1						brown scames 0 7
COAL	U	0	3		_		0 2 6
				5	3	8	
Grey metal	0	3	9				<u></u> 5 0 6
COAL	0	0	11				
				0	4	8	In grey metal stone 0 0 7
Grov motel	2	1	6		- 10	-	
Grey metal	4	т	U				
~	_	-	_	10	_	11	Matal 91 4 8
Carried forward	2	1	6	12	0	11	Total 21 4 8

### No. 2,226.—WHITRIDGE.

TOWNSHIP OF WHITRIDGE, NORTHUMBERLAND.

Sheet 62 of Ordnance Map. Lat.

, Long.

Bored in Whitridge Estate about 70 yards South from the Farm House.

feet above sea (Ordnance datum). Approximate surface level

Soil Stony clay	Fs. Ft In. Fs. Ft. In 0 1 0 0 5 0	Brought forward Blue metal 0 4 6
COAL	$ \cdots                                   $	Brown gullety post, with water 0 3 0
	Carried forward 1 0 2	Carried forward 1 1 6 1 0 2

### No. 2,226.—WHITRIDGE.—CONTINUED.

Brought forward Blue metal COAL  Blue grey metal Grey metal Grey post, with water Blue grey metal White post, mixed with whin and water	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Brought forward 3 2 10 3 4 8 Grey metal 1 3 0 Black stone, mixed with coal 0 4 0 Blue grey metal 3 1 8 Soft blue grey metal 0 0 6 COAL, with scares of brass and brown scames 0 1 9 In white grey metal 9 1 9 In white grey metal
Carried forward	3 2 10 3 4 8	Total <u>13 1 0</u>

### No. 2,227.—WHITRIDGE.

#### TOWNSHIP OF WHITRIDGE, NORTHUMBERLAND.

Sheet 62 of Ordnance Map. Lat.

, Long.

# Bored about 128 yards down the level from the Old Winning near Whitridge.

0.11				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In	
Soil	0	1	0				Brought forward 6 1 0	,
Strong clay	0	3	6				Grey and blue metal 2 0 0	
Blue metal		4					White gullety post,	
White, brown, and		_	-				with water 0 3 7	
grey post, with							Blue grey metal 2 0 0	
scamy partings	1	4	0				Grey post, with water 0 3 0	
Grey metal	1	1	6				Grey post, with water 0 3 0 Blue grey metal 3 5 0	
COAL			8				COAL, with water and	
	•	•	0	4	9	2	brown scames, and	
~		_	_	4	3	4		
Grey metal, with water	U	2	9				some small scares of	
Black and grey metal,							brassnear the bottom 0 3 2	
with scares of coal	0	0	6				9 2 9	)
Grey metal			6				In blue grey metal 0 0 9	)
							In blue grey metal	1
COAL	U	U	4	_		_		
				0	4	1		
Blue grey metal	0	4	9					
COAL		1						
		_		0	5	9		
			_	U	0	ð		
						_		
Carried fo	rwa	rd		6	1	0	Total 15 4 6	,

### No. 2,228.—WHITTINGHAM.

#### TOWNSHIP OF WHITTINGHAM, NORTHUMBERLAND.

Sheet 30 of Ordnance Map. Lat.

, Long.

First Place bored at Whittingham, about 70 yards to the North-west from the Old Tower, near the water side.

									Ť				
Soil and Gravel	Fs.		In.	Fs.	Ft.	In.	Brought forward				Fs.	Ft.	In.
Soil and Glavei			_	0	1	0	Blue and grey scamy		-	0	U		-0
Brown, white, and grey				ŭ	•		metal, with whin						
post, with brown							girdles or lumps	3	0	0			
scames	1	3	0				Strong grey girdles,	_	-	-			
Grey, brown, and blue		_	-				with greenish grey						
rambly metal, with							cashy partings and						
some small scares							water,	1	3	0			
of coal, coal pipes,							Blue metal	0		0			
and water	0	0	6				Grey post girdle, with						
White and grey post	0	1	6				blue metal partings	1	0	0			
Grey and brown scamy							Soft red, brown, and						
post, with black							grey metal	0	3	0			
scares or partings,							Strong grey stone,						
with some sparkles							mixed with whin	0	1	6			
of coal	0	3	0				Grey and blue metal,						
Grey post, with brown							with strong girdles	1	5	0			
scamy partings	1	2	3				Strong blue limestone						
Blue and grey metal,							and whin	0	0	9			
with girdles, cat-							Blue and grey metal,	_	_				
heads, and water	2	0	0				with girdles	1	1	0			
Whin	0	1	0				Whin, with water	0	1	0			
Grey metal	0	0	9				Blue metal	0	1	0			
Whin girdles, with							White post, mixed	_	0	_			
grey metal partings	-	2	0				with whin	0	2	0			
Whin	0	2 0	8				Blue metal, with whin	0	0	0			
A grey metal parting	0	0	4				girdles	0	$\frac{2}{1}$	0			
Whin	0	2	0	v			Whin or limestone	0		3			
Grey metal	2	U	0				A cashy parting In whin or limestone	0	0	4			
Strong grey scamy	0		_				In white or innestone	U	U	48			
girdles, with water	0	3	0								22	2	2
Strong blue limestone or whin	0	0	0										
	U	3	0										
Grey girdles, with blue													
metal partings and	1	0	0										
water	1	0	U										
Carried forward	11	1	0	0	1	0	Total				22	3	2
Carried for ward	TT	T	U	U	1	U	Total		• • •	=		-	

### No. 2,229.—WHITTINGTON.

#### TOWNSHIP OF GREAT WHITTINGTON, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat.

, Long.

Account of boring near Whittington, the property of Sir Edward Blackett.

April 3, 1845.

Approximate surface level feet above sea (Ordnance datum).

0.11				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil		1	0				Brought forward 2 0 0 16 3 0
Freestone ramble	0	4	0				Dark brown metalstone 1 4 ° 0
Brown and grey post,							Ft. In.
with metal partings	3	0	0				COAL 0 3
Dark metal	1	2	0				Brass band 0 2
Grev post with a little							COAL 0 1
water	1	1	7				Dark metal $0   1\frac{1}{2}$
Dowle motal	2	1	5				COAL, but will
II and blue limestone	1	5	0				not cinder 1 9
water Dark metal Hard blue limestone Metal parting Limestone Dark brown metal	1	1	0				$$ 0 2 $4\frac{1}{2}$
Metal parting	V	1	0				4 0 4
Limestone	4	3	6				Dark brown metal and
Dark brown metal	0	T	6				
Ft. In.							metal stone, with
COAL 0 4							girdle 2 1 0 Strong white post 1 2 0 Whin 0 1 2
Black metal 0 4							Strong white post 1 2 0
COAL, slaty 0 10							Whin 0 1 2
	0	1	6				Grey post 0 4 0 Black metal 0 0 6
				16	3	0	Black metal 0 0 6
Strong grey post	0	4	0				White post 1 3 0
Dark grey post, with							In strong white lime-
whin girdles and							stone 0 2 11
water	1	2	0				6 2 7
			_				
Carried forward	9	0	0	16	3	0	Total 26 5 111
Carried forward	4	U	U	10	o	U	Total 26 5 112

### No. 2,230.—WHITTLE.

TOWNSHIP OF WHITTLE, NORTHUMBERLAND.

Sheet 95 of Ordnance Map. Lat.

, Long.

Bored from the surface in Whittle Low Wood, near Chester Burn.

Approximate surface level feet above sea (Ordnance datum).

					-
Fs. Ft. In. Fs. Ft. In.			In. Fs	Ft I	In.
The box 0 3 0 Brought forward	rd 12	3	0		
Sand and clay 0 3 0 Grey post, with threa	ds				
Blue stony clay 4 4 0 and water		4	0		
Blue metal 0 5 0 White post, wi					
Grey metal 1 2 0 threads and wat		1	0		
Black metal 0. 1 0 Grey metal, with co					
Grey metal, mixed with pipes and water		1	0		
grey girdles 4 3 0	•	_	_		
Carried forward 12 3 0 Carried forward	1 17	3	0		
Carried for ward	1 1	J	~		

# No. 2,230.—WHITTLE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	17	3	0				Brought forward 1 5 0 26 0 8
White post, with							Grey thill 0 1 6
threads and water	1	0	0				Grey post, with water 2 4 6
Grey scamy post, with							White post, with water 2 0 0
threads and water	1	3	0				COAL 0 2 6
Grey metal, with coal							7 1 6
pipes and water	0	0	9				Grey thill 0 1 0
White post, with							Grey post 2 1 0
	1		3				Grey metal 1 4 0
Grey scamy post	0		0				Whin 0 1 0
Grey post	3	0	0				Grey post 0 2 0
Grey metal	0	0	6				Grey metal, with water 3 5 0
COAL	0	3	2				White post, with girdles 0 2 0
			-	26	0	8	Grey metal 0 4 0
Strong white post	1	3	0				Blue metal 1 0 0
Black metal, with coal							COAL 0 4 8
pipes	0	2	0				11 0 8
		100				_	
Carried forward	1	5	0	26	0	8	Total 44 2 10
0	_						

### No. 2,231.—WHITTLE.

TOWNSHIP OF WHITTLE, NORTHUMBERLÁND.

Sheet 95 of Ordnance Map. Lat.

Long.

Bored in the Rye Hill Pit, in Whittle Estate, by Messrs. Wake.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Depth of the pit from	Brought forward 16 0 0 17 5 10
the surface to the	Grey metal, with whin
coal 17 1 0	girdles 1 3 0
COAL (thickness of) 0 4 10	White post, with scames 3 2 0
——————————————————————————————————————	Grey cash partings,
White thill 0 1 6	with water 0 0 4
White and brown post 0 1 6	White post 0 3 0
Blue metal 0 1 6	Grey metal 0 0 8
White post 0 5 0	Grey metal 0 0 8 White post 0 3 0
White post 0 5 0 Blue metal 1 5 6	Whin stone 0 0 9
	11 2222 20000 111
White post 0 4 6	White post, with coal
Strong iron girdles         0         1         6           Blue metal         1         2         0           Grey metal post girdles         3         5         0           Grey seamy post          0         3         0	pipes and water 0 4 0
Blue metal 1 2 0	Grey metal, with white
Grey metal post girdles 3 5 0	post girdles 1 0 7
Grey scamy post 0 3 0	White post 0 1 0
White post 0 3 0	Grey post 0 1 0
White post, mixed with	COAL 0 3 2
whin 0 1 6	24 4 6
White and brown post,	0.10
with threads 0 4 0	Grey post 2 1 6 White post, with water 3 5 0
W1.*1	
White scamy post 1 0 0 White scamy post 2 0 0	Grey metal 0 1 0
	COAL 0 4 3
Brown post 0 1 6 White post 1 1 0	6 5 9
White post 1 1 0	
0 110 1 10 0 0 15 5 10	Tota 49 4 1
Carried forward 16 0 0 17 5 10	10ta 49 4 1

### No. 2,232.—WHITWELL.

TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 45′ 26″, Long. 1° 37′ 8″.

An Account of Strata sunk through in A Pit, Whitwell Colliery. Sinking begun 2nd May, 1836; got the Hutton Seam 21st June, 1837.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Outset 2 5 0	Brought forward 12 4 6 28 0 7
Soil 0 2 0	Grey metal 0 0 10
Loamy clay 1 4 0	Low Main Seam-
Blue clay 1 4 5	Ft. In.
Sand, with water (9 ft.	COAL, good 2 7½
on south-east side of	COAL, splinty 0 45
pit; run out to no-	0 3 0
thing on north-west	13 2 4
side) 0 4 6	Grey metal and post
Strong blue clay 1 3 0	girdles 0 3 10
Brown and blue leafy	( 1 1 2
clay 7 0 0	White post $\left\{\begin{array}{c c} 1 & 1 & 3 \\ \hline 1 & 1 & 3 \end{array}\right\}$
Strong blue clay 4 0 0	Grey metal stone 3 0 2
Strong blue clay, with	COAL, foul 0 0 4
small stones 1 1 0	6 0 10
18 0 11	Grey metal 0 1 0
Grey metal, very soft	White post, mixed with
and jointy 1 1 0	metal 1 2 3
Grey metal stone 0 3 3	Dark metal 0 1 7
Post girdle 0 0 10	2011 110001 111 111 0 1
Dark blue metal, with	Brass Thill Seam—
post girdles (wedge	Ft. In.
curb laid 1 ft. 3 in.	COAL 0 9
into this stone, and	Grey metal 2 9
walled off) 1 2 8	COAL 0 5
Black stone 0 0 6	<del></del> 0 3 11
COAL 0 0 9	2 2 9
	Thill 0 1 4
Grey thill 0 3 6	Grey metal, with post
Grey metal 2 3 6	girdles 1 1 0
Dark metal, scared	White post 2 1 6
with post 0 2 0 COAL 0 0 8	Grey metal, with post
	girdles 4 0 2
Thill 0 4 4 Dark metal 0 1 4	Hutton Seam— Ft. In.
Dark metal 0 1 4	COAL, good 4 44
Post girdle 0 0 10	Band $0  0\frac{1}{2}$
Grey metal (standing set bunton) 0 2 0	COAL, bottom 1 9
	1 0 2
Strong white post, very	Grev metal 8 4 2 2 0 0
jointy (water, 270	Grey metal 2 0 0
galls. per minute) 11 2 0	
Cominal Co. 1 10 4 0 00 0 F	
Carried forward 12 4 6 28 0 7	Tota 60 4 8

^{*} Approximate sea level (Ordnance datum).

#### No. 2,233.—WHITWELL.

#### TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat.

Long.

Account of a boring below Hutton Seam at Whitwell Colliery, at a point 4 chains Eastward of the A Pit (bottom of Staple). March, 1851.

	Fs.	Ft.	In.	Fs. 1	řt. I	n.		Fs.	Ft.	In. Fs	. Ft.	In.
Grey metal, with iron-							Brought forward		3			
stone girdles	6	2	0				Grey metal stone, ap-					
White post, with water	0	2	6				proaching to post	0	4	1		
Whin girdles, with		_	Ŭ				White post, with thin	•	200	-		
	0	1	5			- 1		1	9	0		
water and gas			6				partings		3	6		
Grey metal	2	2					Grey metal stone	0	4	3		
White post girdles	0	1	0				COAL, good and					
White metal partings	0	0	4				strong	0	1	71		
White post, with thin										10		0.1
partings	0	4	5			- 1				<b>—</b> 12	4	$8\frac{1}{4}$
Grey metal, with thin	_	_	_				Vong light anar motal					
	3	1	10				Very light grey metal,					
girdles						1	gradually inclining		_			
Grey post girdles	0	0	9			1	to post	0	2	$7\frac{1}{2}$		
Grey metal	1	2	5				Strong white post	6	1	0		
COAL, foul, with gas	0	0	4				Strong gritty brown					
, ,				15	1	6	post	0	4	0		
				10	1	0	Dark grey parting	Õ	0	3		
Soft thill	0	2	1					0	1	0		
						- 1		U	T	U		
White post	0	4	2			- 1	Grey post, mixed with	_	_			
Strong grey metal,							metal	0	1	0		
with post girdles	2	2	4				White post	0	2	3		
Strong white post							Grey metal	0	0	3		
girdles	0	1	9				Grey post	0	1	8		
Strong grey metal	1	0	3				Grey metal	0	0	3		
0011	ō	ĭ	2				Whin	0	ő	3		
COAL	U	1	4							5		
	_			4	5	9	Bluish grey metal stone	0	5			
							Brown metal	0	0	7		
Soft grey metal	2	5	0				Black metal	0	0	7		
Black partings, with							COAL, coarse, slaty	0	0	10		
strong blower of gas		1	6								. 2	111
Light grey metal	-	2	6								3	$11\frac{1}{2}$
		ĩ	0				Grey metal stone	1	2	0		
Strong white post		1	U				Dark metal	0	0	6		
Strong grey metal							Grey metal stone	0	3			•
stone, with thin post	,							- 1		11		
girdles	2	4	8				Grey post	0				
Strong white post	0	4	0				Grey metal stone	0	0	-		
COAL	0	0	6				Post girdles	0		3		
	Ŭ	Ŭ	Ĭ		_		Grey metal stone	0	0	10		
				8	1	2	Dark blue metal	0	0	6		
							Ironstone girdle	0	0	6		
Grey metal stone, with							Dark brown metal	0				
thin girdles	. 2	0	(	)			Dark reddish brown	_	-	_		
Strong white post, with							1		0			
balls of whin		4	. (	)			metal	0				
α	_						Grey metal		2	3		
	_	- 1					Post, with grey metal	l				
Black stone	. 0	0	) {	,			stone	0	1	. 5		
								_				
Carried forward	9	) 3	3 8	3 28	2	5	Carried forward	3	2	5 5	0 5	03
	-						Cullion 202 maria	_				-

# No. 2,233.—WHITWELL.—CONTINUED.

	3 2 0 0	4 0 1	5 50 0 4 5	s. Ft.	In. 03 4	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
Grey metal stone White post Grey metal stone White post Grey metal parting Strong white post Strong white post	0 0 0 0 0	0 0 1 1 0 0 5	9 0 3 8 3			Soft parting, with sulplur 0 0 7         Grey metal stone 2 2 5         Post 1 0 0         Whin 0 1 6         White post 1 5 8         Whin into 0 1 0
Grey metal, and metal stone Whin girdle Dark metal Carried forward	1 0 0	4 0 0	2	5	034	20 0 8  Total depth below Hutton Seam 70 5 83

### No. 2,234.—WHITWELL.

TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat.

, Long.

Boring at Whitwell Colliery below the Hutton Seam, made close to a deeper hole 70 fathoms 5 feet  $8\frac{3}{4}$  inches at the bottom of a staple 4 chains Eastward of A Pit, by G. Stott. September and October, 1866.

		Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In, Fs. Ft. In
Grey metal								Brought forward 3 4 8 15 2
Post		2	2	3				Grey metal 0 5 1
Grey metal, with p	ost							COAL 0 1 5
girdles		0	4	6				4 5 2
Grey post Grey metal		1	1	9				Metal 2 5 6
Grev metal		3	2	3				Grey metal, with black
Blue metal		1	3	9				girdles 0 2 11
COAL		0	0	4				Post 1 1 8
	-			_	15	2	1	Grey metal 1 2 0
Grey metal		0	3	0				Grey post 1 4 3
White post		0	3	0				Grey metal 0 0 8
Grey metal, with p								Black metal and coal 0 0 6
girdles		2	1	2				Into grey post 1 5 3
girdles White post		0	3	6				9 4 9
	-							
Carried forwar	d	3	4	8	15	2	1	Total 30 0 0

### No. 2,235.—WHITWELL.

TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat.

, Long.

Borehole below Hutton Seam at Whitwell Colliery, South of A Pit and in Wagonway.

Approximate surface level

feet above sea (Ordnance datum).

		Fs.	Ft. I	n. Fs.	Ft.	In.				Fs.	Ft.	In. F	's. T	t. In.
Grey metal		4	0	0			Brough	at for	ward				5	
Post		2	3	0			Seggar			0	1			•
Grey metal		0	1	0			Grey metal				_	•		
Post			2				girdles			2	2	5		
	l and post		_				Post			ĩ	1	7		
girdles		1	2	n			Grey metal			T	1	1		
Post		ō					girdles		-	0	4			
Grey metal			1				Black metal	• • •	• • •		4	5		
		U	1	U					• • •	0	0	$2\frac{1}{2}$		
	l and post	0	,	0			COAL	***	•••	0	1	$4\frac{1}{2}$	_	
girdles	•••		5				~							0 5
Post			11				Seggar						0	5 5
	post girdles		3											
Blue metal		0	1	9										
COAL		0	0	2										
				- 15	0	7								
	Carried for	ward		15	0	7		Tota	1			9	1	0 5
	Carried 101	waru		10	0	•		TOUR			• • •		1	0 0
			TT 1			7 70	1 0 1 1 10							

Hole stopped 19th October, 1867.

#### No. 2,236.—WHITWELL.

TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 45′ 4″, Long. 1° 30′ 51″.

Strata sunk through in the Whitwell B Pit. 1838.

Blue clay 5 Sand 3	3 0 2 0	Brought forward Thill Blue metal stone Dark grey metal COAL, good—Main	$\begin{array}{ccc} 0 & 4 \\ 0 & 5 \end{array}$	0 5	Fs. 21		
Clay 1	2 0		0 3	11			
Sand and water 0	5 7				2	4	5
Clay 0	1 8	Thill stone Grey metal stone	0 2 9 2	1 7			
Blue metal stone 1	0 0	COAL	0 0	4			
Grey metal stone 2 COAL, with a band 0	3 0 1 10				9	5	0
one, with a band		Thill stone		7			
-	3 4 10	Grey metal stone	1 4	0			
Carried forward	21 2 10	Carried forward	1 5	7	34	0	3

### No. 2,236.—WHITWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	1	5	7	34	0	3	Brought forward 6 3 2 47 5 2
Dark grey stone	0	0	5				COAL 0 0 9
Grey metal stone	0	0	5				<del></del> 6 3 11
Dark grey stone, mixed							Thill stone 0 0 9
with brass bands	0	0	5				Grey metal stone 1 3 6
COAL	0	0	4		_	_	Ft. In.
				2	1	2	COAL 0 9
Thill stone	0		11				Dark grey stone 2 10
Grey leafy post	0	2	8				COAL 0 3
Post girdle	0	0 $1$	4				0 3 10
Grey leafy post	0	1	8				2 2 1
Post girdle	0	1	4				Grey girdle { 1 1 10 **
Dark grey stone	1	0 5 2 0 2	1				0 1 4
Grey post	1	5	1				White post 0 5 4
White post girdle	0	Z	6				Red post 0 2 3
Brown post	6	0	0				Grey metal stone 0 2 5
Grey post girdle	0	2	4				White post 0 5 4 Red post 0 2 3 Grey metal stone 0 2 5 Blue metal stone 0 3 4 Grey metal stone 2 5 3
Brown post	U	Z	0				Grey metal stone 2 5 3
COAL - Low Main	0		10				Hutton Seam- Ft. In.
Seam	0	Z	10	11	3	9	COAL 1 11½
(III) -1	_	1	6	11	3	9	Stone 1 3
Thill stone	0	1	-				COAL 3 3
Blue metal stone	1	1 4	7				$105\frac{1}{2}$
Grey metal stone	1		10				$7$ 4 $2\frac{1}{2}$
Strong grey post	2	2	3				Thill stone 0 5 2
Grey metal stone	4	4	9				
		_	_			_	Total $65 \ 2 \ 6\frac{1}{2}$
Carried forward	6	3	2	47	5	2	

^{*} Approximate sea level (Ordnance datum).

### No. 2,237.—WHITWELL.

TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat.

, Long.

Borehole by George Stott, on Whitwell Royalty, about 20 yards West of the East hedge of the Field behind Whitwell House and close to the South hedge.

					Fs.			Fs.	Ft.	In.
Clay		***	 	 	1	3	0			
Sand and wa	ater		 	 	3	0	0			
Clay and ba		and	 	 	8	5	10			
Sand, with			 	 	0	1	2			
Ramble			 	 	0	2	0			
Grey metal			 	 	0	2	8			
								14	2	8
		Tota	 	 				14	2	8

#### No. 2,238.—WHITWELL.

TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat.

Long.

Borehole by W. Weatherburn, on Whitwell Royalty, 3 chains East of the East corner of the Arch into Mr. Lowes' Field Yard at Whitwell West House.

13th May, 1855.

Approximate surface level

feet above sea (Ordnance datum).

		Fs.	Ft. 1	'n.	Fs. Ft. In.			Fa	1014	In.	Tro.	478	Tn
Soil		^	1		20, 20, 200	Brought forw	ard				T.D.	T. 0.	ш.
Clay		0	4	0		Loamy clay, w			•				
Dry sand .			0			scares of coal		0	1	2			
Loamy clay .		0	0	8			•••				13	2	0
Sand, with wa						Stony clay							
Loamy clay .	'	0	4	7		COAL, foul		0					
Sand, with cl	ay part-							_			0	2	9
ings, with v	vater	0	2 1	1		Light grey metal		0	2	2			
Loamy clay .		2	2	5		Dark grey metal		0	1	3			
Strong blue c	lay	2	3	5		COAL, foul		0					
Strong loamy	clay	4	1	5		,		_			0	3	11
Strong stony	clay	0	2	9		Light grey metal					2	5	1
		_		_							_		
Carried f	orward	13	0 :	LO		Total			•••		17	1	9
										=	_		

### No. 2,239.—WHITWELL.

TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 45′ 11", Long. 1° 31′ 3".

Strata sunk through at Whitwell C Pit. Begun 12th November, 1855; reached Main Coal Seam 26th December, 1855; reached Low Main Seam 24th March, 1856.

Soil Fs. Ft. In. Fs. Ft. In. O 1 0	Brought forward 5 2 8
Soft yellow clay 0 4 6 Dry sand 0 0 6 Strong blue clay 1 0 0	Strong brown clay, with sandy partings 6 4 6 Soft grey metal, with
Strong blue clay 1 0 0 Dry sand 1 2 0 Sand, with water (10	ironstone girdles and coal pipes 4 1 2
galls. per minute) 2 0 8	
Carried forward 5 2 8	Carried forward 16 2 4

## No. 2,239.—WHITWELL.—CONTINUED.

Fs. Ft. In. Fs. Ft. I Brought forward 16 2 4	Fs. Ft. In. Fs. Ft. In. Brought forward 11 0 1 31 0 5½
Five-Quarter Seam-	Low Main Seam—
COAL 0 11  Blue metal band 0 2  COAL 0 7	COAL 2 2  Dark metal band 0 4½  COAL, bot- tom 0 3½
0 1 8	0.010
Black metal, mixed with coal bands 0 0 9 Soft grey metal thill, with ironstone balls 0 3 3	0
Soft blue metal $1$ $1$ $0\frac{1}{2}$ Soft black metal $0$ $0$ $11$	with metal partings 3 2 2
COAL — High Main	Soft grey metal stone 0 2 6
Seam $0 \ 3 \ 10\frac{1}{2}$	4 4 3
2 3 1	Depth of sinking 47 1 7\frac{1}{3}
Soft grey metal thill 0 1 7 Stronggrey metal, with	
ironstone balls 1 5 4	Bored further:—
Sort blue metal 0 1 5 $\bigcirc$ COAL 0 0 $\bigcirc$ 1 1 2	Strong grey metal, with ironstone balls 1 1 9
2 2 5	Strong greymetal, with $\int 1 2 7\frac{1}{2}$
Strong grey metal 1 2 0	white post girdles (0 2 21 * * * * * * * * * * * * * * * * *
Strong grey post 0 1 0	3 1 1
Strong grey metal 1 4 1 Whin girdle 0 1 0	Strong grey post thill
Strong grey metal 3 1 4	stone 0 1 5
COAL 0 0 5	Strong grey metal stone 0 3 0
6 3 1	Strong white post
Soft grey metal thill stone 0 1 6	stone 0 3 9 Strong grey post stone 1 0 3
Strong grey metal	Strong white post, with
stone 2 1 4 Soft black stone 0 1 0	whin and metal partings 6 1 0
COAL 0 0 6	COAL—Hutton Seam
2 4	4 (about) 0 4 2
Soft grey metal thill stone 0 1 11 Strong grey post stone 3 0 9	917
Strong white post, with	
black metal partings 7 3 5	
Carried forward 11 0 1 31 0 5	Total <u>59 4 3½</u>

^{*} Approximate sea level (Ordnance datum).

### No. 2,240.—WHITWELL.

#### TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in Whitwell Grange Estate, about the middle of the Long Field. Begun January 27th, finished April 22nd, 1836.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In
Soil 0 1 3	Brought forward 44 3 6
Brown and blue leafy	Grey metal 0 1 2
clay, scared with	White post, with metal
sand and a siping of	partings 1 2 8
water 2 2 0	partings 1 2 8 Dark metal 0 1 7
Sand, with a siping of	COAL 0 0 8
water 0 0 6	2 0 1
Blue leafy clay, scared	
with sand 11 1 3	Grey metal 0 2 10
Brown leafy clay 4 2 0	COAL 0 0 4
18 1 0	
Grey metal, with post	0 3 2
girdles 3 2 0	Grev metal 0 1 6
Dark metal, mixed	Grey metal, with post
with coal 0 1 6	girdles 1 0 5
Grey metal 0 2 0	White post 2 1 9
Grey metal stone 3 1 6	Dark grey metal, with
Black metal 0 1 0	post girdles 4 0 5
Grey metal 0 3 3	Part 8
White and brown post 1 1 3	Hutton Seam- Ft In.
Whin 0 1 0	COAL, good 4 3½
Strong white post,	COAL, foul $0  1\frac{1}{2}$
with whin girdles	Hard knot or
and water 10 2 6	band 0 1
Grey metal stone 0 1 0	COAL, coarse 1 7
COAL 0 2 8	1 0 1
0 2 8 ———————————————————————————————————	
Brass, mixed with	8 4 2
metal 0 0 5	Grey metal stone 0 1 7
Grey metal, mixed	Grey metal stone 0 1 7
White post, with soft	
partings and water 2 2 2	
Grey metal stone 3 0 1	
COAL, foul 0 0 4	
<del></del> 6 0 10	
0 110 1 110 2	Total 56 0 6
Carried forward 44 3 6	Total 50 0 0

#### No. 2,241.—WHITWORTH.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long. =

Account of the Boring in a Coal-pit near Whitworth. Copy of Mr. Maddison's Account, January 13th, 1829.

Approximate surface level feet above sea (Ordnance datum).

													-
Sunk about			In.				Brought forward				Fs. 26		
Small coals and rub-						_						_	
bish			1				Grey metal stone COAL, foul	ñ	ň	9			
		4	4				10d1	U	U	2	1	^	11
Grey metal stone, with	_										1	U	11
post girdles	3	1	4				Grey metal and metal						
COAL	0	0	4				stone, with girdles	1	0	3			
				3	4	0	Strong white post,						
Black metal	0	0	8				mixed with whin						
Grey metal stone, with		•	_				girdles	Λ	4	6			
Grey metal stone, with	9	0	_						-30	U			
post girdles White and grey post	0	2	10				Grey metal stone, dark	^	_				
White and grey post	1	3	10				near the bottom	U	9	4			
Whin (got 18th Jan.,							COAL	0	1	7			
through 20th, five											8	3	7
shifts) Strong white post Grey metal stone	0	1	6				Grey metal	0	0	9			
Strong white nost	1	4.	Õ		*		Grey metal stone, with						
Cream restal etems		1	C				girdles	9	9	Λ			
Grey metal stone	4	T	U				girdles	o	U	U			
Black metalstone, with		_					Strong white post, with	_		_			
scares of coal	. 0	2	4				feeder of water	1	4	5			
				9	3	10	Strong white post,						
Strong white post, with							mixed with whin						
whin girdles		-1	2				and whin girdles (got						
Grey metal stone, with		_	~				25th Feb., through						
aindles	9	ດ	c				Zoth Feb., through	Ω	9	G			
girdles	3	2	0				5th March) Strong white post	0	4	0			
COAL, foul	0	U	3				Strong white post	U	Э	8			
	_	_	_	_					_		6	4	4
Carried forward	5	3	11	26	1	10	Total sunk and bo	red			42	4	8
										-			

#### No. 2,242.—WHITWORTH.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

An Account of the Strata bored through at Whitworth Park, about 600 yards East of the Deep Hole.

	Fs. Ft. In.	Fs. Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown clay				Brought forward				7	4	7
Black stone and coal				Blue metal	0	4	6			
Grey metal, with post				Grey metal, with post						
girdles				girdles	1	3	8			
Brown post				Grey post						
Black stone				Strong grey metal,						
	0 0 10			with post girdles		1	2			
		7 4	7	COAL						
			•				_	5	0	8
Carried for	word	7 4	7	Total				12	5	3
Callica for	11.04.0		*	4		•••	=			-

## No. 2,243.—WHITWORTH.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

# Borings in Martin Charlton's Pit, Whitworth Estate, February 1st, 1837.

	PP-			,					Coo above sea (Oranance aasam).	
			Fs.	Ft.	In.	Fs.	Ft.	ln.	Fs. Ft. In. Fs. Ft. Ir	n
Surface				5						5
Brown frees	tone		1	3	10				COAL 0 0 8	
Dark grey m	netal,	with								4
water			0	3	6				Grey metal 2 0 7	_
COAL	•••	•••	0	0	9				Grey post 1 0 7	
					_	3	1	1	Grey metal 0 0 10	
Grey metal			0	5	10	•	_	_	White post, with water 2 5 3	
Black stone		•••	ĭ	1	0				D1 1 4 1 0 0 0 0 0	
Grey metal,			-	-	v				COAL	
girdles		-	2	4	2					0
	···	notel	õ	3					0 11	8
Soft dark g									Grey metal 0 3 8	
Grey metal		•••	0	0					White post, with water 0 5 2	
COAL	•••	***	0	0	6	_	_		Grey metal, with scares	
D111-	1	7	_	4	_	5	3	6	of coal 0 3 6	
Black stone			0	4	0				Grey metal 3 0 8	
Grey metal,				_	-				Blue metal 0 1 3	
post girdl	es			5	5				Grey metal 2 5 10	
COAL	•••		0	2	10				COAL 0 1 7	
					_	4	0	3	8 3	8
									White post, with water 14 3 2	
7	Total	sunk				12	4	10	Black stone 0 0 6	
Grey metal			3	1	7				COAL 0 1 8	
Black metal			0	0	9				14 5	4
Grey metal,									Grey metal 1 0 0	
girdles	•••	•••	3	2	9				Blue metal, with post	
COAL			0	0	3				girdles 2 2 8	
						6	5	4	White post 2 0 2	
Grey metal			0	0	6	U		æ	1171.:	
Grey post,		water	3	4	8				7171 11	
			U	-38	0				0 1 4	
Grey metal,		-	2	9	5					
girdles Green post	•••	•••	3	2					White post, with metal	
Grey post	***	•••	0	2	3				partings 2 4 6	
Grey metal		***	0	U	10				Blue metal 0 1 10	
Grey post									COAL 0 3 10	
the water		t 15		_	_				10 0	7
fathoms)			0	5	6				Grey metal 0 1 0	
Grey metal			0	5	1				Grey post 0 5 0	
Black stone		•••	0	0	6				Blue metal 1 1 0	
Blue metal			2	2	7				Grey post, with whin 1 0 10	
Black sto	ne,	with							Grey post, with metal	
scares of			0	2	0				partings 0 4 0	
Blue metal		•••	0	2	8				Grey whin 0 2 10	
Grey metal		***	1		11				Grey post 0 1 3 .	
Grey post			ĩ	ō	0				Blue metal 0 1 5	
Grey metal			-	Ť					Strong grey metal,	
girdles			0	5	6				with post girdles 1 2 0	
Blue metal	•••	•••	0	0	6				0.01	
		•••		3	4					
COAL, for	ui	•••	0	3	4	16	A	9	Grey metal, with post girdles 0 3 2	
Grove metal			_	-	P-7	16	4	3		
Grey metal		•••	0	5	7				Strong Broj Post	9
Blue metal	•••	•••	0	1	1				8 1	3
0	3 C		-	_		-	0		Total apply and haved	-
Carried	1 Iorv	vard	1	0	8	36	2	5	Total sunk and bored 86 0	3

### No. 2,244.—WHITWORTH.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in the Whitworth Estate, Second Deep Hole, about 300 yards from the West Boundary Hedge, and about 200 yards North of the Byers Green Railway. Begun June 8th, 1837.

a. 111	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs Ft.	
Strong brown and blue	11	3	0				Brought forward 33 5	3
clay	TI	J	0				Blue metal 0 2 2 Grev metal stone 1 2 2	
Soft freestone, with							Grey metal stone 1 2 2 Black metal, mixed	
Post	1	0	7				113 7	
water Soft blue metal	î	1	ó				Grey metal, with post	
Grey metal, with post	-	1	U				1 0 0 0	
girdles	0	3	0				0 4 0	
Grev post	Õ	3	2				Grey metal, with post	
Grey metal	0	2	ō				girdle 2 5 3	
Strong brown post	ĭ	2	ő				Black metal 0 1 2	
Blue metal	0	ī	8				COAL, foul 0 2 0	
Grey metal, with post	ì	_	_					
girdles	1	4	9				<del></del> 6 4	4
Blue metal	1	1	0				Grey post 0 1 5	
Black metal	0	1	0				Soft dark grey metal 0 3 5	
Dark grey metal, with							Strong white post 2 2 0	
post girdles	0	4	6				COAL, foul 0 1 10	
Blue metal	2	1	6				3 2	8
Black metal, mixed								Ŭ
with coal	0	2	4				Grey metal 0 2 6	
Grey metal	0	4	2				White post 8 4 1	
COAL	0	0	6				Soft grey metal 0 2 6	
	——			24	0	2	COAL 0 0 9	
Grey metal	0	3	0				9 3	10
COAL	0	0	3				Dark grey metal 0 2 4	
		-	-	0	3	3	COAL, foul, with	
Grey metal	0	1	6				water 0 1 2	
Grey post, with water	0	3	3					6
Black metal	0	0	9				0 3	0
COAL, foul	0	2	8	_	_	_	Soft grey metal 1 3 7	
G			_	1	2	2	Grey post, with water 1 4 5	
Grey metal	0	2	0				White post 0 4 11	
Grey post	1		10				Blue whin 0 1 2	
COAL, foul	0	0	6	7			Grey post 0 3 7	
G		-	_	1	5	4	Soft grev metal 0 0 11	
Grey metal	1	5	2 5				White post, with water 5 4 111	
Grey metal stone	1	3	Э				COAL 0 4 1	
Black metal, mixed	9	1	11				11 3	71
with coal	2	1	11					0
COAL	U	1	10	6	0	4	In grey metal 1 3	0
				0	U	18		
G				20	-	_	M-4-1 OF O	21
Carried for	war	a		33	5	3	Total <u>67 2</u>	25

#### No. 2,245.—WHITWORTH.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

An Account of Strata bored through in the Third Deep Hole on Whitworth Estate, on the West side of a Field on the East side of the Black Plantation, near an old oak tree, close to the hedge, and about 60 yards down the Field from the Road from Tudhoe to Burton Beck. Begun May 9th, 1838.

C 43		Ft. In. Fs	. Ft. In.	Fs. Ft. In. Fs. Ft In.
Soil	0	1 0		Brought forward 22 1 3 13 4 3
Blue Clay	7	0 0		Grey metal 0 5 3
Sand	0	2 0		Grey post 0 4 6
Strong blue clay		0 0		Dark grey metal 2 1 9
Grey metal		4 3		White post 2 5 0
COAL	0	1 11		Dark grey post, with
		10	3 2	water 1 1 8
Grey metal, with post			0	Black stone 0 0 6
girdles		0 10		COAL 0 1 7
COAL, foul	0	0 3		30 3 6
		3	1 1	Grey metal, with post
Grey metal		3 1		girdles 2 5 6
Black metal		0 8		COAL 0 0 3
Dark grey metal		4 8		2 5 9
Grey post, with water	1		'	Dark grey metal, with
White post	1	3 1		scares of coal 0 5 6
Dark grey metal, with				Grey metal, with post
water	3	5 6		girdles 3 1 4
Grey post	0	1 6		COAL 0 1 11
Grey metal	0	1 0		<del> 4 2 9</del>
Grev post	1	3 10		Dark grey metal, with
Grey metal, with post				scares of coal 0 2 0
girdles	3	0 6		Grey post 2 5 3
Blue metal	0	2 6		White post mixed with
Black stone, mixed				whin, and water 14 5 8
with coal	0	2 0		Black stone 0 0 6
Dark grey metal	0			COAL 0 1 8
Grey post	0	2 4		18 3 1
Grey metal, with post				Mild grey post 4 1 0
girdles	1	3 3		White post, with water 2 3 10
White post, with water	ō	5 6		Grey metal, with post
Dark grey metal	ő	2 5		girdles 0 5 5
Black metal, mixed		~ 0		Dark blue metal 0 1 4
with coal	0	0 6		COAL — Brockwell
M	ĭ	5 7		Seam 0 3 10
Black metal, mixed				8 3 5
***	0	0 6		
with coal	U	0 0		
Co	22	1 3 13	4 9	Total 78 4 9
Carried forward	22	1 3 13	4 3	10041 10 10
				•

## No. 2,246.—WHITWORTH.

#### TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat.

Long.

# Account of Strata sunk through in the Whitworth Park Pit. 1839.

	Fs.	Ft.	In.	Fs.	Ft.	In.	· Fs. Ft. In. Fs. Ft. In.
Soil	0	1	0				Brought forward 50 5 0
Brown sandy clay	0	1	6				Grey metal 0 3 8
Strong brown clay	5	0	0				White post 0 5 2
Strong brown post,							Grey metal, scared
with water	3	4	0				with coal 0 3 6
COAL, foul, with							Grey metal 3 0 8
water	0	1	3				Blue metal 0 1 3
110001	_			9	1	9	Grey metal 2 2 10
Grey metal girdles	3	4	6	•		_	COAL - Top Busty
COAL, foul	ō	Õ	8				Seam 0 1 7
00/12, 1041			_	3	5	2	8 0 8
Strong grey metal	6	2	0	·	Ü	_	Dark metal 4 0 0
Ft. In	U	~	U				COAL—Lower Busty
COAL—Hutton							0 1 0
Seam 2 0							Seam 0 1 9 4 1 9
Splint 0 6							
	0	2	6				DI 1 1
	_		_	6	4	6	0.10
Grey metal	3	1	7	Ŭ		ŭ	COAL 0 1 8
Black metal	ő	ō	9				
Grey metal	3	2	9				COM
COAL	0	0	3				
00/12				6	5	4	
Grey metal	0	0	6	·		-	Grey metal 2 0 3
	3	4	8				Strong white post 5 5 7
Grey post	3	2	5				Splint 0 0 3
Grey metal	0	2	3				COAL — Brockwell
Grey post	0		10				Seam 0 4 0
Grey metal	0	5	6				8 4 1
Grey post	0	5	1				
Grey metal Black stone	0	0	6				Total sunk 83 2 10
D1 .4.1	2	2	7				
D1 1 1	0	2	ó				Bored further, July
Black stone	0	2	8				15th 1844:—
Blue metal	1	1	11				White and grey post,
Grey metal	_	_					mixed with whin 5 2 0
Grey post	1	0	0				Grey metal, with whin
Grey metal	0	5	6				girdles 4 3 0
Blue metal	0	0	6				Black stone 0 0 6
Black metal and coal	0	3	4	16	4	3	COAL 0 0 7
Grow motol		2	7	10	4	0	10 0 1
Grey metal	0	1	1				Grey metal 5 3 0
Blue metal	0		_				COAL 0 0 6
COAL	0	0	8	0	4	A	5 3 6
C		_	7	0	4	4	Grey post 4 1 6
	6		-/				Whin 0 2 6
Grey metal	2	0					
Grey post	1	0	7				Strong white post 2 2 0
Grey post Grey metal	1 0	0	$\begin{array}{c} 7 \\ 10 \end{array}$				
Grey post Grey metal White post	$\begin{array}{c} 1 \\ 0 \\ 2 \end{array}$	0 0 5	7 10 3				Grey metal stone 0 3 0
Grey post Grey metal White post Black metal	$\begin{array}{c} 1 \\ 0 \\ 2 \\ 0 \end{array}$	0 0 5 0	7 10 3 10				Grey metal stone 0 3 0
Grey post Grey metal White post	$\begin{array}{c} 1 \\ 0 \\ 2 \\ 0 \end{array}$	0 0 5	7 10 3 10	c	0	0	Grey metal stone 0 3 0 COAL, foul 0 1 0
Grey post Grey metal White post Black metal	$\begin{array}{c} 1 \\ 0 \\ 2 \\ 0 \end{array}$	0 0 5 0	7 10 3 10	6	3	8	Grey metal stone 0 3 0 COAL, foul 0 1 0
Grey post  Grey metal  White post  Black metal  COAL—Harvey Sean	$\begin{array}{c} 1 \\ 0 \\ 2 \\ 0 \end{array}$	0 0 5 0	7 10 3 10	_	_	_	Grey metal stone 0 3 0 COAL, foul 0 1 0
Grey post Grey metal White post Black metal	$\begin{array}{c} 1 \\ 0 \\ 2 \\ 0 \end{array}$	0 0 5 0	7 10 3 10	$\frac{6}{50}$	3 5	8 0	Grey metal stone 0 3 0 COAL, foul 0 1 0

### No. 2,246.—WHITWORTH.—CONTINUED.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 106 4 5	Brought forward 113 2 0
Strong grey metal	Grey metal stone 0 4 0
stone 1 4 5	Strong white post, with
Whin 0 3 0	whin girdles 2 3 8
White and grey post 0 5 0	Grey metal stone, in-
Grey metal stone, with	clining to post 2 3 10
nost girdles 2 1 7	Whin 0 2 7
post girdles 2 1 7 White post 1 1 0 COAL, tender 0 0 7	White post, mixed with
COAL tender 0 0 7	whin 0 0 5
	In whin (1/2 inch in 24
6 3 7	hours) 1 1 0
	7 3 6
	700
Carried forward 113 2 0	Total 120 5 6
Carried for ward 110 2 0	120 0 0

## No. 2,247.—WHITWORTH.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Sunk at the New Pit at Whitworth Colliery. 1846.

			,
Call and alam		Fs. Ft. In.	Brought forward Fs. Ft. In. Fs. Ft. In.
Soil and clay	2 2 0		71 1 1
Grey metal, with post	<b>*</b> 0 0		0.011
girdles	5 2 9		
Soft grey metal stone	0 1 8		0 1 10
COAL	0 0 9		Grey metal 0 1 7
G (1.11)		8 1 2	Black stone 0 1 3
Grey thill	0 3 8		Grey metal 0 3 2
Black stone	0 3 0		Blue metal stone 1 5 4
COAL	0 0 5		Grey metal 3 0 11
		1 1 1	Grey mount (III III II
Grey metal, with iron-			Ft. In.
stone	0 4 7		COAL, good 2 8
Black stone	0 2 10		COAL, splint 0 7
Post	0 1 2		0 3 3
Grey metal stone	0 0 2		6 3 6
Post	0 0 10		Grey metal and post
Grey metal stone	0 0 7		girdles 1 4 1
Post	0 1 4		Ironstone 0 0 6
Grey metal stone	0 0 2		Black stone 0 2 0
Post	0 0 8		COAL, splint 0 0 9
Grey metal stone	0 0 1		2 1 4
Post	0 1 8		
Grey metal stone	0 1 8		Grey metal and post
Post	0 0 10		
Grey metal stone	0 1 0		
Post	0 5 3		2 000 111
Grey metal stone	0 1 3		
COAL	0 0 9		00/L
		4 0 10	16 3 9
C		10 0 7	Carried forward 39 1 6
Carried forward		13 3 1	Carried forward 55 1 0
			S

#### No. 2,247.—WHITWORTH.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs. 39	Ft.	In. 6	Fs. Ft. In. Fs. Ft. I Brought forward 58 1	n. 7
Grey metal	1	3	0				Grey metal and post	
ÇOAL	0	0	4	4			girdles 3 3 3	
				T	3	4	Post 1 0 4 COAL 0 1 8	
Grey metal and post	0	0	0				00112 111 111 0 2 0	3
girdles	0		0				Grey metal 0 1 0	U
COAL	U	1	6	2	1	6	White post 10 0 0	
Community and most				4	1	U	COAL 0 0 6	
Grey metal and post girdles	2	0	0					6
COAL	0	0	5				Grey metal 0 1 4	
			_	2	0	5	Ft. In	
Grey metal and post							COAL 1 0 Band 0 1	
girdles	3	3	0				Band 0 1 COAL 0 2	
White post	4	0	0				• 0 1 3	
Black stone	0	0	6				0 2	7
COAL	U	1	6	7	5	0	Grey metal 5 0 0	
~				'	Э	U	White post 4 3 0	
Grey metal	0	4 5	0				Grey metal 0 4 0	
Post COAL	0	0	0				COAL — Brockwell	
COAL	Ņ	U	4	1	3	2	Seam 0 4 0	0
Grey metal and post			_	1	3	Z	Grey metal and post	0
girdles	3	3	0				girdles 0 4 0	
COAL	0	1	8				COAL 0 0 4	
	Ŭ	-			4	0	0 4	4
			_	3	4	8	U 4	-
Carried for	war	d		58	1	7	Total 85 2	3
Carried 101	** (1)			00		•		Ĕ

### No. 2,248.—WHITWORTH.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat.

Long.

Account of a Boring in Whitworth Royalty, about 800 yards North from the Pit. July 8th, 1852.

	Fs. Ft.	In. Fs. Ft. Ir	=	Fs. Ft.	In. Fs.	Ft.	In.
Stony clay	4 0	0	Brought forward		14	3	6
Leafy clay	3 0	0	Grey and black metal	0 2	0		
Sand	0 1	6	Black stone	0 0	6		
Leafy clay	2 1	6	Strong grey metal				
	2 1	0	stone, with iron-				
	1 5	6	stone girdles	3 0	0		
Dark metal stone	0 5	9	Into white post	0 3	0		
COAL	0 0	3	1		3	5	6
		14 3					
Carried for	ward	14 3	Total		18	3	0

### No. 2,249.—WHITWORTH.

#### TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

Account of Boring on Whitworth Estate, No. 1 Hole.

Approximate surface level feet above sea (Ordnance datum).

			Fs.	Ft.	In. ]	Fs. Ft	t. In.						In.	Fs.	Ft.	In.
Clay			2	2	4			Brot	ught for	ward	10	3	4			
Metal			0	3	7			Metal			1	0	6			
Post			1	0	6			COAL			0	2	3			
Blue metal			0	4	3									12	0	1
Post			2	1	2			Dark me	tal and	coal	0	0	4			
Metal and								Into grey	metal		0	3	0			
														0	3	4
1 050 111	•••	•••														
Carrie	forw	vard	10	3	4				Tota	1				12	3	5
Carrice	1 101 11	w.u_	10	0	T.			`	2000				=	=	_	=

#### No. 2,250.—WHITWORTH.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

No. 2 Hole.

		Total		•••		•••		13	5	0
									5	0
Into me		 			 1	5	0			
Clay Post	 	 			2					
Clay	 	 	• • •		 Fs. 10			Fs.	Ft.	In.

#### No. 2,251.—WIDDRINGTON.

TOWNSHIP OF WIDDRINGTON, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat.

, Long.

Bored in Widdrington Park, by John Wake. 1722.

Approximate surface level feet above sea (Ordnauce datum).

Earth			Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward 3 0 0 15 0
Grey post			2	1	6				COAL 0 0 6
COAL			0	0	6				3 0 (
						5	5	0	Grey post 2 3 0
Grey metal			0	1	6				White post 3 0 0
Black metal			-	1	6				Strong whin 0 2 3
				3	0				White post 0 3 0
COAL			0	1	6				Grey metal 1 3 0
						. 9	1	6	COAL 0 3 0
Grey metal			1	3	0				8 2 S
Grey post	•••	• • • •	1	3	0				
Carried	forw	ard	3	0	0	15	0	6	Total 26 3

### No. 2,252.—WIDDRINGTON.

TOWNSHIP OF WIDDRINGTON, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat.

, Long.

An Account of Strata bored through in the Widdrington Estate, near Houndalee Farm House. June, 1849.

					·					
Soil	Fs.			Fs. Ft. In.	Brought forward			In. Fs.		
Yellow clay					Mild grey post, with			10 10	Ŭ	
Brown clay, with sand	v	-30	-10		metal partings	-1	4	1		
parting and a little					Strong white post,	-	-	-		
water	2	Ω	5		mixed with whin		2	11		
					Soft grey metal					
Soft grey metal Black metal, mixed	U	48	U		Strong white post,	U	U	T		
	Λ	1	0		with metal partings					
with coal	0	1	1		with metal partings	9	0)	1		
Grey metal thill Soft blue metal Strong blue metal Strong grey post	0	2	1		and water Soft black metal Dark grey metal Blue metal	0	0	e e		
Sort blue metal	1	0	0		Doub mack metal	0	9	1		
Strong blue metal	Ţ	2	9		Dark grey metal	1	5	1		
Strong grey post	U	Z	Z			1	Э	9		
Soft grey metal, with	0	_			Black metal, mixed	^	4	0		
thin post girdles	6	Z	9		with coal	0	Ţ	6		
Black metal, mixed	_	_				U	3	1		
with coal	0	0	6		Strong grey metal,	_	_	_		
Ft. In.					mixed with post					
COAL 1 11					COAL	0	1		_	_
Grey metal band 0 4								<b>—</b> 13	5	5
COAL 0 8					Grey metal thill	0	1	6		
	0	2			Grey metal, with post					
				15 0 4	girdles	0	1	2		
Grey metal thill					Blue metal, with post					
Soft grey metal	1	1	6		girdles and water	2	4	3		
						_				-
Carried forward	1	2	10	15 0 4	Carried forward	3	0 1	11 28	5	9

# No. 2,252.—WIDDRINGTON.—CONTINUED.

1(0. 2,202. 1/12.2101.	- CONTINUED.
Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In
Fs. Ft. In. Fs. Ft. In. Brought forward 3 0 11 28 5 9	Brought forward 1 2 0 51 2 10
Strong grey post 0 1 3	Grey metal and post
Mild grey post 0 3 0	girdles 0 5 3
Strong white post,	Black metal 0 0 3
with metal partings	Grey metal 0 1 0
and water 6 4 0	Grey post, with metal
Soft grey metal 0 0 9	partings, water rose 3 fathoms and ran
Ft. In.	out of top of hole 1 3 0
COAL $1  1  1  1  1  2$	Strong grey metal 0 4 4
Soft argillaceous shale 0 43	COAL, coarse, with
shale 0 44 COAL 0 5	slate parting 0 1 7
Grey metal	4 5 5
band 0 3	Grey metal 0 5 4
COAL $0   4\frac{1}{2}$	Strong grey metal
$\frac{1}{2}$ 0 2 $6\frac{3}{4}$	stone, inclining to
11 0 53	post 1 3 0
	Coarse white post,
	with water 4 1 5
Strong grey metal 0 1 6 Strong grey post, with	COAL, good 0 0 6
metal partings and	6 4 3
water 1 1 6	Grey metal 0 1 8
Soft grey metal, with	Black metal 0 0 3
thin girdles 1 4 2	White post 1 1 3
COAL 0 1 $7\frac{1}{4}$	Strong grey metal, with post girdles 2 2 10
$\frac{}{}$ 3 3 $10\frac{1}{4}$	Light grey metal 1 2 3
Grey metal stone 0 2 1	Black metal 0 1 6
Strong blue metal,	Light grey metal 1 4 9
mixed with post 2 5 0	Hard grey post 0 3 0
Dark grey metal,	Coarse white post, with
mixed with coal 0 1 0	water 3 0 6
Strong grey metal,	stone grey metal stone 1 5 0
mixed with post 2 3 11	stone 1 5 0
Black metal, mixed	COAL, good 0 1 3
with coal 0 0 9	13 0 3
Grey metal, with post	Strong grey metal,
girdles 0 3 4	with post girdles 2 2 0 COAL. coarse 0 1 2
Black metal, mixed with coal 0 0 3	COAL, coarse 0 1 2
with coal 0 0 3 Grey metal 0 2 3	Grey metal 0 2 6
Grey metal 0 2 3	Strong grey metal
COAL, coarse	stone 1 3 8
splinty 1 6	Black metal, with
Black metal,	scares of coal 0 1 9
with scares	Grey metal 0 1 11
of coal 0 7	COAL 0 0 9
COAL, coarse 0 8	2 4 7
Black metal, with scares	Strong white post 1 2 0
of coal 0 2	COAL 0 0 4
COAL, splinty 0 9	1 2 4
Dark metal,	Strong grey metal, with post girdles 1 0 1
with scares	
of coal 0 6	COAL 0 0 5
0 4 2	
7 4 9	Grey metal 1 1 7
Soft grey metal 0 4 3	Black metal, mixed with coal 0 0 11
Grey metal 0 2 6	
Hard white post 0 1 3	Grey metal 0 2 4
0 1 1 1 2 0 7 1 0 10	Carried forward 1 4 10 83 5 4
Carried forward 1 2 0 51 2 10	Carried forward 1 4 10 83 5 4

## No. 2,255.—WIDDRINGTON.—CONTINUED.

Brought forward Whin girdles	Fs. Ft. In. Fs. Ft. 1 4 10 83 5 0 2 8	In. 4		Fs. Ft. I	111		In. 3
Strong grey metal, with post girdles Strong white post	$\begin{array}{cccc} 1 & 5 & 0 \\ 1 & 0 & 0 \end{array}$		Black metal, mixed with stone Grey metal	0 0	<b>2</b> 6		
White post	$\frac{0 \ 0 \ 6}{0 \ 2 \ 0} \ 5 \ 1$	0	Grey metal  COAL	0 1	6 6 4		
Grey metal, with post girdles Mild white post, with	2 1 3		Dark grey metal Light grey metal stone		- 1 1 0	5	11
water COAL, good Ft. In. and clean 1 6	2 0 11		Grey metal Black metal Grey metal stone	0 0	4 5 8		
Grey metal band 1 0 COAL, coarse 0 6	0 3 0		Grey metal thill	0 0 0 0 1	4 3	1 :	10
Light grey metal Strong grey post	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2	Strong white and grey post, with whin girdle	2 11			
Strong grey metal stone Mild white post, with	1 5 10		Strong grey metal stone Grey metal	0 3 0 5 1	4		
metal partings Whin ball Hard white post	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		Black metal, with scares of coal Grey metal thill		0		
Whin ball Strong grey and white	0 0 11		Strong white post, with metal partings COAL, good and	4 4 1	1		
Coarse mild white post Grey metal, with scares of coal	1 1 8 0 0 7 0 3 2		strong  Grey metal thill		$\frac{6\frac{1}{2}}{0}$	2	$6\frac{1}{2}$
Coarse white post Strong grey metal White post, with metal partings	0 3 2 0 1 9 1 2 8		Strong white post  Coal pipe  Grey metal (dark at		6 2		
COAL 0 4 Danty band 0 1			Strong white post, with whin girdle	5 2	1 1 -		
COAL, soft 0 7 Grey metal band (dark			Black metal	$\frac{0 \ 0 \ 1}{0 \ 0}$	.0 16 3	2	8
at the top) 1 4 COAL, soft 0 7 Slate band, grey 0 1			Grey metal thill Strong white post, with metal partings	0 0	8		
COAL 0 7	0 3 7	9	Dark grey metal Strong white post, with metal partings	1 1	4		
Grey metal Strong white post Grey metal	$\begin{array}{cccc} 1 & 0 & 2 \\ 2 & 5 & 0 \\ 0 & 2 & 9 \end{array}$		Black metal COAL, coarse		9 3 - 4	4	4
Black metal, mixed with coal Ft. In.	0 0 6		Strong grey metal stone Into white post		9		
GOAL, coarse 0 5 Grey metal 1 4 GOAL 0 10					- 2	0	5
	$\frac{0\ 2\ 7}{$	0			7.10		_
Carried for	ward 111 5	3	Total	•••	149	41.	13

## No. 2,253.—WIDDRINGTON.

TOWNSHIP OF WIDDRINGTON, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat.

, Long.

An Account of the Boring in the Widdrington Estate, near the Moor House, by Geo. Stott. 1st March, 1854.

				the state of the s
		In. Fs.	Ft. In.	Fs. Ft. In. Fs. Ft. In.
Clay	7 2	0		Brought forward 26 0 7
Grey post (water came				Dark metal and post
to top of hole)	0 5	6		girdles 1 3 9
White post	$\begin{array}{ccc} 2 & 2 \\ 0 & 0 \end{array}$	2 5		White post 4 0 0
COAL	0 0	10	4 1	Whin 0 1 0 White post 2 3 9
Charamatal	2 2	8	4 1	
Grey metal Ft. In.		0		
COAL, coarse 2 0				8 3 9
Grey metal 0 5				Dark metal 0 2 0
COAL 0 2				Grey post 2 2 0
Grey metal 0 8				Dark metal and post
COAL 0 5				girdles 3 3 4
	0 3			COAL 0 2 0
		— 3	0 4	6 3 4
Grey metal	0 5	9		0 5 4
Grey post	0 2	0		Grey metal 1 5 0
Dark metal	0 3	6		Grey post 6 5 8
COAL 1 5				Grey metal 0 2 0
Band 0 1				Grey post 0 1 6
COAL 2 10				Dark metal 1 1 6
	0 4	4		Grey post 4 5 0
		_ 2	3 7	Grey metal 2 4 3
Grey metal	2 3	0		OOME III III V
White post, with water	4 4	9		18 1 4
COAL	$\vec{0}$ $\vec{1}$	4		Grev post with water 3 4 6
		_ 7	3 1	die post, with water
Doule motol	1 0			The control of the co
Dark metal	$\begin{array}{ccc} 1 & 0 \\ 0 & 0 \end{array}$	0 6		01Cy post 11.
COAL	0 0	_ 1	0 6	White post 7 4 6
Dark metal	0 2	0	0 0	Grey metal 1 4 4
COAL	0 1	ő		COAL 0 0 9
		_ 0	3 0	17 1 6
Dark metal	0 2	6		Into grey metal 0 0 5
COAL	0 1	6		
		_ 0	4 0	
		,	2 0	
Carried for	mand	26	0 7	Total 76 4 11
Carried for	ward	20	0 7	

## No. 2,254.—WIDDRINGTON.

TOWNSHIP OF WIDDRINGTON, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat.

, Long.

Account of Boring on Widdrington Estate, — yards East from the Castle. Begun April 25th, 1860; left off February 7th, 1862.

	Fs.			Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Stony clay	6	1	6				Brought forward 6 0 7 58 4 5
Grey post	1	2	0				Grey post 1 0 0
Grey metal	0	1	0				Grey metal 0 2 0
COAL	0	0	9				Grey post 0 1 0
				7	5	3	Grey metal 0 4 0
Grey metal	2	2	6				White post 0 2 0
Post	4	2	6				Grey metal 0 4 0
Grey metal, with							Grey post 4 3 0
girdles	1	1	8				Whin 0 1 0
COAL	0	0	10				Post 7 3 0
				8	1	6	Grey metal 0 5 0
Black metal, mixed				_			Post, with water (rose
with coal	0	1	2				to the top) 1 0 0
O	4	î	0				D 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
COM	0	i	8				COAL
COAL	U	1	-0	4	9	10	
I inht more motel	0	A	6	4	O	10	23 3 3
Light grey metal	0	4 ₅	0				Grey metal 0 3 0
Grey post	0		-				Grey post 3 0 9
Grey metal	0	5	3				Whin 0 3 0
COAL	0	0	9	0		0	White post 1 4 0
~				2	3	6	Whin 0 1 0
Grey metal	0	1	3				Mild post 1 1 6
Grey post	14	0	0				COAL 0 1 5
Dark grey metal	1	0	0				
Grey post	3	2	0				Grey metal 0 1 6
Whin	0	1	3				Grey post 0 2 0
Grey post	3	0	0				Ft. In.
Post, mixed with whin	0	3	0				COAL 0 6
Mild post	0	3	0				Grey metal 0 2
Grey metal	0	1	6				COAL 0 2
Dark metal	0	1	0				0 0 10
Grey metal	1	5	0				044
Mild post	9	2	6				Grey metal 1 0 0
Post, with black scares	0	3	0				Grey and white post 1 4 0
Post	0	1	6				0.06
Black metal	ŏ	0	2				COAL 0 1 7
COAL	ő	ĭ	2				3 0 1
COAL				35	2	4	
Gray motal	1	3	0	99	2	-36	0.100
Grey metal	1	5	0				I I I I I I I I I I I I I I I I I I I
Whin		1	0				Cize y microst viv
C	0						
Grey metal	0	2	7				1 5 3
White post	1	0	0				Grey metal 0 3 0
Grey metal	0	2	0				Grey post 0 5 0
Grey post	0	1	0				Grey metal 0 4 3
Grey metal	0	4	0				
	_					_	Management Property and Publisher Street, Stre
Carried forward	6	0	7	58	4	5	Carried forward 2 0 3 95 2 0
200.700				50	-		Constitution = 0 0 0 0

#### No. 2,254.—WIDDRINGTON.—CONTINUED.

Grey metal Grey post Whin Grey post Grey metal COAL	(	t. In. ) 4 ) 6	0 0 1 0 0 0 0	1 3 4 0 1 0 0	$ \begin{array}{c} 1 \\ -9 \\ 0 \\ 6 \\ 6 \\ 3 \end{array} $	Fs. 95		In. 0	Brought forward
Grey metal		• • • •	0	0	3				3 1 4
OOAL	•••	•••			_	0	2	4	
	Carrie	d for	war	d	1	.00	4	2	Total <u>112 3 0</u>

#### No. 2,255.—WIDDRINGTON.

TOWNSHIP OF WIDDRINGTON, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat.

, Long.

Section of Strata sunk through at Air Shaft, 240 yards West of the Isabella Pit, Widdrington Colliery. March, 1869.

Approximate surface level feet above sea (Ordnance datum).

Soil				Fs.	Ft. In.	Brought forward 4 0 9
Strong blue clay, with a few limestone						Strong blue clay, with boulders of basalt,
pebbles	1	5				lime, and sandstones 3 4 3
Loam	0	3	0			7 5 0
Clay, with a good mix- ture of pebbles and						Fire clay and coal
boulders of lime-						pipes, very disrupted; probably a trace
stone	1	1	0			of upper seam 0 1 6
Sand on east side of						Hard blue metal 0 3 6
pit and clay on west,						Hard blue metal 0 3 6  Ironstone girdle 0 0 6  Hard blue metal 0 4 6
pebbles and boulders in the clay; some of						Hard blue metal 0 4 0
the boulders show						
marks of abrasion as						
of a glacial action;						
the pebbles and boul- ders of limestone	٥	9	0			m tol double on to the ten
ders of illiestone	U	o	U			Total depth on to the top of the seam (Main Coal
Carried forward	4	0	9			Seam) 9 3 0

N.B.—In sinking the Isabella Pit there was a parting of 6 inches of whin sunk through. Query—Is this basalt, or only a parting of extra hard blue metal?

#### No. 2,256.—WIDEOPEN.

TOWNSHIP OF WEETSLADE, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 2' 45", Long. 1° 36' 59".

Account of Strata bored through in the Second Place, about 300 yards South from East Wideopen, by Messrs. Rawling. January, 1769.

Fs. Ft. In. Fs. Ft. In.	Fs	. Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold 3 4 3 Brought forward	_		4	37	0	10
Box 7 1 6 Black stone		0	6			
Brown and blue rambly COAL, with scares						
	. 0	1	2			
Brown post 5 0 0				10	4	0
Grey metal 0 2 0 Black stone, with water	r 0	0	9			
COAL 0 0 9 Grey metal	. 0	4	6			
20 1 0 White post, with water		0	0			
Strong white no		•	•			
city metal and post	. 0	2	0			
gitales 2 0 0		2	U			
Whin 0 1 6 Strong grey met	3					
Strong white post, with stone, with har		~	_			
whin 0 3 6 girdles and water.	. 2	5	0			
whin 0 3 6 Whin 0 1 0		1	6			
Grey metal, with gir-	. 0	0	9			
dles and water 3 3 0	-			7	2	6
Whin girdle, or lump 0 0 7 Strong grey metal	. 0	3	2			
Strong mot						
arey metar stone, with	. 1	1	4			
Whin girdle		4	-			
White most with moto			11			
9 0 6 Grey metal stone		4	0			
		-1	U			
atona with aindles		0	0			
4 0 0		0	6			
COAL foul 0 1 0	1		_			
4 1 2 Stone		0	6			
4 1 3 Grey post, with water	r 0	3	0			
Grey metal and metal (2 2 3 Strong white post, wit	1					
stone $0 1 3$ whin	. 0	3	0			
COAL 0 0 10 Grey post	. 1	1	6			
2 4 4 Grey metal		1	6			
Gray nost with water		3	9			
Grey metal, with hard Whin		3	4			
		3	6			
Ft. In. White post, with wate			0			
COAL 0 10 William	. 0	2	U			
COAL, hard Strong grey post, with		-	^			
brassy 0 5		1	0			
Blue metal. Grey metal stone		1	6			
with scares White post, with water		1	6			
	1	1	0			
of coal 0 7	0	0	5			
0 3			_ ;	14	2	11
0 2 3 Black stone	0	0	9			
O 5 9 Strong grey metal	-	1	ŏ			
Cham and white mark 0 0 0	_	î	6			
0 111		3	0			
William		0	U			
3371 *		4	C			
White post with water 9 9 0		4	6			
White post, with water 2 3 0 COAL	0	0	9	0	_	0
Blue metal, with hard			_	6	5	6
lumps 0 5 0 Hard girdle or lump	0	0	1			
0 110 1 10 0 45						_
Carried forward 10 2 4 37 0 10 Carried forward	0	0	1 7	6	3	9

^{*} Approximate sea level (Ordnance datum).

## No. 2,256.—WIDEOPEN.—CONTINUED.

Brought forward  High Main Coal Seam—  COAL 0 0 4  Blue grey metal 0 0 2 10  Ft. In.  COAL, foul 0 4  Soft black metal 0 5  COAL, with sulphur or water 1 3  Hard girdle, or lump 0 2  COAL, with sulphur or water 1 0  Hard girdle, or lump 0 2  COAL 1 10	Brought forward Grey metal, with scares of coal 0 0 11  COAL 0 0 1  In grey metal stone 0 1 6
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Total 78 2 11

## No. 2,257.—WIDEOPEN.

TOWNSHIP OF WEETSLADE, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 2′ 45″, Long. 1° 36′ 59″.

Strata sunk and bored through in the A and B Pits, Wideopen Colliery.

Strong blue clay 9 3 0  Broken stone, with water 3 5 0  Brown post,with water 6 0 10  COAL 0 0 9\frac{1}{3}	Brought forward Grey metal stone 4 0 0  COAL, foul 0 1 0  (2 1 6)  (2 1 6)
Grey post, mixed with whin 2 0 0  Grey metal, mixed with whin 1 2 3  White post, with water 1 1 4	Grey metal stone $\begin{cases} \frac{2}{0} & \frac{1}{3} & \frac{1}{12} \\ 0 & \frac{1}{3} & \frac{1}{2} \end{cases}$ Grey and blue metal 0 5 3 COAL 0 2 1 1 1 4
Whin 0 3 0 Grey metal 0 5 7 Blue stone 2 3 8 Grey leafy post 0 5 4 Blue stone 0 0 9 COAL 0 0 11	Grey metal and post girdles 2 0 0 0 COAL 0 0 10  Grey metal 1 5 5 White post 5 1 3 Blue metal 0 4 2
Carried forward 29 2 5½	Carried forward $7  ext{ 4 10 } \overline{40  ext{ 0 4} \frac{1}{2}}$

^{*} Approximate sea level (Ordnance datum).

# No. 2,257.—WIDEOPEN.—Continued.

F	s. F	t. In.	Fs	. Ft	t. I	n.	Fs. Ft. In. Fs. Ft. In.
Brought forward 7		4 10		C	, 4	±2	Brought forward 2 0 1 81 1 5½
IJIMOIL COMMENT	) (	0 6					White post and post girdles 0 5 6
COAL, with scares	_						8
of brass (	0	2 9			_	_	Blue metal 0 1 0
_			. 8	3	2	1	Grey metal stone, with
Grey metal (	0	5 4					post girdles 2 0 2
Oloj moterni		2 3					Black stone 0 1 2
Transco Poster		5 9					Grey metal stone 1 0 5
	0	0 0					Black stone 0 3 6
Grey metal stone, with	1	0 3	,				Grey metal stone 0 5 10
2500-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0							Black stone 0 2 1
Tittou promo iii		5 9					Grey metal 0 1 1
COAL (	0	0 8		, '		4	White post, with part-
			٠ ،	3	2	1	ings 0 1 6
Soft grey metal	1	3 8	3				White post 0 0 10
Strong grey metal,							Grey metal stone, with
with whin	1	0 (	)				post girdles 3 0 9
	_	•					1 0
							Hard white post, with partings 2 0 5
mixed with hard	3	3 (	1				The same of the sa
		1 (					
							Hard white post, with
							partings 1 0 0
0 0 1		4 (					Grey metal U Z 5
	0	2 4	Ŀ				Black stone 0 1 4
Grey post, mixed with	_						Grey metal 0 0 7
		2 9					White post, with part-
		1 8					ings 0 3 9
Grey post	2	1 (					Grey metal stone, with
Blue metal	1	2 8	3				girdles 0 2 2
COAL	0	0 8	3				Strong white post 2 1 11
_			- 1	3	2	8	Brown whin 0 2 8
Girdles	0	0 5	2				White post 0 2 9
TOT 1 /		0 8					Grey metal, with post
	0						girdles 1 0 3
	0	3 10	J				COAL-Yard Seam 0 3 4
Blue metal, with	~	4 (	`				
0	5		9				22 1 7
0.041	0		2				Grey metal stone 2 1 3
COAL	0	1 4	4				Black stone, mixed
-			- '	6	4	11	with coal 0 1 0
Soft grey metal	0	4 (	0				Dark grey metal 0 1 9
0 0							Strong grey metal, with
High Main Coal Seam-	•						
COAL 0 81							Trope and Partings.
$\begin{array}{cccc} \mathbf{COAL} & \dots & 0 & 8\frac{1}{2} \\ \mathbf{Black \ band} & 0 & 1\frac{1}{2} \end{array}$							Grey metal stone, with whin girdles 4 3 10
	7	0	0				Soft grey metal 0 0 5
	1	0	0	1	4	0	Bensham Seam-Ft. In.
•				1	4	0	COAL, foul 2 9
m-4-1 S4			-	0	4	7.1	Band 0 2
Total Sunk		• • •	7	8	4	$1\frac{1}{2}$	COAL, good 0 4
D 10 11							Band 0 3
Bored further:—							
Thill	0	2	0				COAL, good 0 8 0 4 2
	ĭ		Ŏ				
COAL, foul, with	-		-				9 1 1
7	0	2	4				Thill 0 1 6
brasses				2	3	4	Grey metal stone 0 1 6
Grey metal stone	1	4	1		9	120	Light brown post, with
D1	_		0				4 0 0
Blue metal	0	4	U				partings 4 3 2
-							
Carried forward	2	0	1 8	1	1	$5\frac{1}{2}$	Carried forward 5 0 2 112 4 1 ½

## No. 2,257.—WIDEOPEN.—CONTINUED.

		Ft. In. F			Fs. Ft.	In. Fs.	Ft. In.
Brought forward	5	0 2 11	2 4	$1\frac{1}{2}$	Brought forward 8 0	9 124	1 81
Grey metal, with scares					Greyish whin 0 5 Dark grey metal stone 1 1 Black stone, with coal 0 1	5	
of	0	1 0			Dark grey metal stone 1 1	6	
Strong grey metal,					Black stone, with coal 0 1	0	
with post and whin					Dark grey metal, with		
	3	4 10			post girdles 3 0	4	
Greenish whin	0	1 2			Post, with whin girdles		
Greyish post and whin					and partings 0 2	8	
girdles	2	2 0			Dark grey metal, with	_	
COAL	0	0 5				0	
		1	1 3	7	Whin, with metal	, and the second	
S1 1	0					0	
Shale	0	0 2			Light grey metal 0 1		
Grey metal stone, with	_				Dark grey metal 0 3	9	
coal pipes	0	5 0				2	
Strong white post and					0	16	0 5
whin	0	1 8					0 9
Whin	0	1 0			Black stone 0 1	4	
Grey post and whin	0	2 9			Grey metal, with whin		
Whin	0	2 10			girdles 0 5	6	
Grey metal, with post	0	4 7			Black stone 0 0	8	
Grey post, with cashy					Dark grey metal stone 0 2	3	
partings	0	2 0			Grey metal stone and		
Grey metal stone	2	0 3			post girdles, with		
Black stone	0	0 10			whin 7 3	11	
Dark grey metal, with					Grey metal, with scamy		
post girdles	0	4 10			girdles, very dark 7 0	2	
Black stone, mixed	Ū				Grey metal stone 1 3	3	
with coal	0	3 4			CIC, MOULE SOME III I O	17	5 1
Dark grey post and	U	0 1				11	0 1
	1	1 6					
partings	1	1 0					
Carried forward	8	0 9 12	24 1	91	Total sunk and bored	158	1 21
Carried forward	0	0 9 12	T tev	Už	Total sunk and bored	100	1 42

# No. 2,258.—WILLINGTON.

TOWNSHIP OF HUNWICK AND HELMINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Strata bored through upon the South Willington and Hunwick Royalties.

July 31st, 1837.

Soil Strong clay and large tumbling stones Grey metal, with post girdles and water	3	3	6	Fs.	Ft. In.	Brought forward 5 1 8  Strong white post, with metal partings 1 5 6  Grey metal 0 1 8  COAL 0 1 6
S						7 4 4
Carried forward	5	1	8			Carried forward 7 4 4

## No. 2,258.—WILLINGTON.—CONTINUED.

Brought forward  Fs. Ft. In. Fs. Ft. In.  7 4 4  Grey metal 3 0 4  Fs. Ft. In. Fs. Ft. In.  Brought forward  Strong white post, and
Brought forward 7 4 4 Brought forward 26 0 Strong white post, and
COAL, foul 0 0 11 set away water at
3 1 3 26 fs. 0 ft. 6 in 7 2 8
GOAL, foul 0 1 4
Grey metal 2 0 10
COAL, foul 0 0 6
Strong grey metal,
with post girdles 2 1 7
Grey metal 0 4 6 Grey metal 0 4 6
White post, with metal COAL, foul 0 1 2
partings 1 3 4
COAL, with water 0 2 0
Crow motel 0 4 7
2 3 10   Grey metal 0 4 7 COAL, foul 0 0 9
Grey metal 0 1 9
White post, with water 1 4 8
Blue metal 0 1 6 Grey metal, with post
COAL, with a spring girdles 0 4 11
of water 0 1 3 Strong white and grey
Dark grey metal 0 3 0 partings 4 1 3
and the state of t
girdles I I 0
O 3 9 Black metal, with
Grey metal 2 5 4 scares of coal 0 0 6
COAL, very good—
Main Coal Seam 0 4 10
<del></del> 7 0 0
Strong gray matel
with whin girdles 3 1 9 Grey metal I 0 0
COAL, strong—Five-
Quarter Seam 0 4 4 ———— 3 1
4 0 1
Carried forward 26 0 6 Total <u>48 0 7</u>

## No. 2,259.—WILLINGTON.

TOWNSHIP OF WILLINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat.

Long.

Account of Strata bored through in Willington Burn, North Willington Royalty.

Begun November 8th, 1836; ended 1837.

Sand, with water Strong blue clay	0	2		Brought forward Grey metal	9	3		Ft.	In.
Carried forward	9	3	0	Carried forward	9	4	6		

# No. 2,259.—WILLINGTON.—CONTINUED.

1(0, 1)2001	- CONTINUED.
Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 9 4 6	Brought forward 40 0 9
Ft. In.	Strong whin 0 0 2
COAL 1 6	Grey metal, with stone
COAL, danty 0 9 0 2 3	girdles 1 0 2 Strong post 0 3 4
	Strong post 0 3 4  Dark scamy post, with
10 0 9	water 1 1 6
Grey metal 0 1 8	Grey metal 0 5 5
Grey metal stone 1 0 0	Strong white post, with
Grey post 0 2 0	water 0 3 3
Blue metal partings 0 0 6	Grey whin 0 0 6
Grey post 0 3 0	Brown post 0 2 6
Brown post (set away the water) 4 4 8	Grey metal 1 2 1
0 1 2	Brown scamy post 0 1 4
0 1 5	Grey metal, with post
COAL 0 1 3 7 2 6	girdles 2 0 3 Black metal, with
	scares of coal 0 3 3
areg metal	COAL 0 0 5
Grey metal, with post girdles 1 3 0	
girdles 1 3 0 Grey metal 0 1 11	902
Black stone 0 0 6	Grey metal 0 2 0
COAL 0 0 9	Scamy post 3 1 9
2 2 2	Strong post 2 1 7
Band 0 1 1	Grey metal 0 4 2
Brown post, with water 0 1 6	Blue stone 0 3 2 Grey metal 0 2 7
White post 5 3 10	
Strong white post 1 1 4	W1.4
Grey metal, with post	
girdles 1 4 3	Strong white post 1 2 3 Dark brown shivery
Grey metal 0 4 7	post 0 1 10
	COAL 0 1 3
*Five-Quarter Seam—	12 3 1
Ft. In.	12 5 1
COAL 1 9 Band 0 4	Grey metal 0 2 8
2011 1 10	Grey shivery post 1 1 1
COAL 1 10 0 3 11	Strong white post 2 0 0
10 2 6	Grey metal 0 2 7
	White post 0 4 4 Strong white post 0 1 5
Grey metal 1 3 0	Strong grey scamy post 0 3 11
Strong white post, with	Dark shivery post 0 2 6
water 6 0 7	Dark grey metal 1 0 5
Grey metal 0 2 0	Black stone 0 1 3
Ft. In.	Grey metal 0 2 4
COAL 3 3	COAL 0 0 5
Splint 0 5	7 5 2
<u> </u>	
9 4 10	· ·
	0 110 1 00 0
Carried forward 40 0 9	Carried forward 69 3 2
* Another account gives this seam	as:

*	Another	account	gives	this	seam	as:-
---	---------	---------	-------	------	------	------

			Pt. III.	TB.	P b.	III.
COAL, good and strong			 2 0			
Band			 0 4			
COAL, good and strong	•••	•••	 2 3			
Sout and strong		•••	 	0	4	7
						-

## No. 2,259.—WILLINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward				69	3	2	Brought forward 7 1 4 69 3 2
Grey scamy post							Black metal = 0 0 8
Grey scamy post	U	-	U				COAL 0 1 6
Grey metal, mixed		_					
with post	0	1	11				7 3 6
Brown scamy post	0	5	5				Grey metal 0 0 8
Strong white post	0	1	4				Grey post 0 3 9 Blue metal 0 3 5
Grey whin, with water Strong grey post	0	0	8				Blue metal 0 3 5
Strong grov nost	0	5	3				White post 0 4 6
Duling grey post	Ŏ	1	11				Dark grey metal, with
Dark grey metal	U	1	TT				
Dark blue metal	0	2	7				post girdles 1 1 4
Strong white post	1	3	6				Strong white post 0 1 10
Strong scamy post and							Dark grey metal, with
water	1	0	1				post girdles 0 4 9
Constructed atoms	Ō	2	11				In dark grey metal 0 4 8
Grey metal stone	Û	ย	TT				0-0
Blue metal	0	3	3				5 0 11
Carried forward	7	1	4	69	3	2	Total 82 1 7
Callica for ward		_		-		-10	

## No. 2,260.—WILLINGTON.

TOWNSHIP OF HELMINGTON ROW, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

Account of No. 1 Boring at Sunnybrow, North of Whin Dyke, and in the second Field West of Sunnybrow Farm House. June 8th, 1838.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Blue clay 2 3 0	Brought forward 2 2 0 19 1 1
COAL, mixed with	White post, with metal
clay 0 1 6	parting and water 7 4 11
	Grey metal, with post
Blue clay, mixed with	girdles 0 4 7
sand 11 0 0	COAL (supposed Five-
Brown freestone 0 4 0	Quarter Coal Seam) 0 2 10
Grey metal, with post	
girdles 2 0 6	11 2 +
COAL 0 1 10	Grey metal 0 3 5
14 0 4	Grey post 1 0 0
	White post, with water 7 2 9
Grey metal 0 2 5	Supposed Main Coal
Grey post 1 2 4 Dark grey metal 0 2 0	- ta
Dark grey metal 0 2 0	
COAL, foul 0 1 6	COAL 4 2
2 2 3	COAL, coarse
Band 0 1 7	or splint 0 4
Grey post, with water 2 0 5	0 4 6
(Set away the water at	
	9 4 8
the depth of 21 fs.	Soft grey metal 1 0 0
3 ft. 1 in.)	
Carried forward 2 2 0 19 1 1	Total 41 2 1
	Total 41 2 1

## No. 2,261.—WILLINGTON.

#### TOWNSHIP OF WILLINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of No. 2 Boring, to the South and East of Sunnybrow House, 130 yards South of Whin Dyke, by the Riverside.

Approximate surface level feet above sea (Ordnance datum).

Strong blue clay	Brought forward Fs. Ft. In. Fs. Ft. 10 2 1	
Brown freestone post 1 5 4	Grey post 0 0 10	-
Grey post, with water 4 2 8	Grey metal 1 1 0	
Supposed 5/4 Seam—	Grey post 2 4 5	
Ft. In.	Grey metal 0 4 11	
COAL 3 6	Grey post 0 2 4	
COAL, coarse	5 0	81
or splint $0   5\frac{1}{2}$		
$$ 0 3 $11\frac{1}{2}$		
$\phantom{00000000000000000000000000000000000$		
	·	
Carried forward 10 2 $11\frac{1}{2}$	Total <u>15 3</u>	8

## No. 2,262.—WILLINGTON.

TOWNSHIP OF HUNWICK AND HELMINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of No. 3 Boring, close to Hunwick Lane. June 8th, 1838.

Approximate surface level

feet above sea (Ordnance datum).

	Ft. In. Fs. Ft. In.	Fs. Ft. In, Fs Ft. In.
Brown clay 1	1 0   H	Brought forward 4 1 0
	3 0 Grey	metal 0 0 6
		elay 6 3 0
Grey metal 2		
Ft. In.	Stone	and coal 0 0 7
COAL 1 6	Grev	post 0 1 6
	GIOJ I	6 5 7
Band 0 2		0 0 7
COAL 0 2		
	1.10	
0	1 10	
	4 1 0	
Carried forward	4 1 0	Total 11 0 7
Carried for ward	2 2 0	

This hole was lost.

#### No. 2,263.—WILLINGTON.

#### TOWNSHIP OF HELMINGTON ROW, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of No. 4 Boring, about half way between Job's Hill and Sunnybrow House, say about 1,200 yards from Job's Hill.

Approximate surface level feet above sea (Ordnance datum).

Brown clay	Fs. 1		In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
							Brought forward 9 2 5 18 5 2
	2						Grey metal 1 2 0.
	0						COAL, with a band
Strong blue clay	6	0	6				4 inches 0 3 2
COAL, foul	0	0	7				11 1 7
· ·				10	5	6	Grey metal 0 2 10
Grey post	0	4	6				COAL 0 0 9
Grey metal		5					- 0 3 7
Strong grow nost	1	4.	0				
Strong grey post Soft grey metal	. T	1	2				Grey metal 0 2 0
Soft grey metal	4	7	9				Grey post 0 3 3
COAL (set away the		-					Strong grey metal
water at 16 fathoms							stone 2 3 2
4 feet 8 inches)	0	1	9				White post, with water 4 4 6
				5	4	8	Ft. In.
Grey metal	1	4	2				COAL 4 4
COAL		2					COAL, coarse
				2	1	0	or splint 0 5
Grav nost	0	1.	G	_		0	
							0 4 9
Brown post		Ţ	O				<del></del> 8 5 8
White post	4	3	8				
Strong grey metal							
stone	0	4	9				
Carried forward	9	2	5	18	5	2	Total 39 4 0

## No. 2,264.—WILLINGTON.

TOWNSHIP OF HELMINGTON ROW, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of No. 5 Boring upon the Willington Estate, about 100 yards East of the Railway Bridge that crosses the River Wear, on the West Durham Railway.

Soil and sand Blue clay Brown freestone post	2 0 10	Brought forward 5 5 6 6 White post 3 5 6 COAL 0 4 0 10 3	
Carried forward	5 5 6	Carried forward 10 3	0

# No. 2,264.—WILLINGTON.—CONTINUED.

	Fs. Ft. In. Fs. F			Fs. Ft. Ir	n. Fs. Ft. In.
Brought forward		3 0	Brought forward		20 1 10
Thill	0 0 9		Thill	0 2 10	
Grey metal	1 1 7		Grey beds	0 1 4	
Brown post	0 2 0		Grey metal	0 2 3	
White post	0 3 8		Strong white post	0 1 4	
Grey metal	0 4 1		Strong grey whin	0 0 9	
Brown post	0 1 9		Strong grey post	0 3 6	
White post	0 1 0	1	White post	0 1 11	
Grey metal	0 1 1		White whin	0 1 1	
Brown post	0 4 3		Strong brown post,	0 1 0	,
Grey metal	0 4 9		with small partings	0 3 1	
Brown post	0 3 0		White		
Grey whin	0 0 6		Charry mont		
Brown whin	0 1 10				
3377 *1	0 3 3		White post Black metal	0 4 0	
α	3 0 9		COAL	0 0 5	
TO 1 / 1 /	0 0 1		COAL	0 0 7	
COAL	0 0 6				11 4 4
COAL		4 10	Strong thill	0 3 0	)
	<del></del> 9	4 10	Strong grey beds	0 3 4	
Thill	0 5 11		COAL	0 0 2	
Brown post	0 1 4				1 0 6
Black metal	0 0 10	1	Strong white nest	1 9 0	
Brown freestone post	0 2 0		Strong white post	1 3 6	
Black metal	0 5 8		Strong grey beds	0 2 6	
Grey beds	1 0 9		White post	1 4 8	
Black metal	0 1 6		Strong grey beds	0 4 6	
Brown post	0 2 6		Grey post	0 2 6	
White post	0 3 2		Grey metal, with post		
Black metal	1 2 6		girdles	1 1 0	
Black metal, with coal	0 1 0				6 0 8
Dittor metal, with coar	0 1 0				
Carried forward	6 3 2 20	1 10	Total		39 1 4

### No. 2,265.—WILLINGTON.

TOWNSHIP OF HELMINGTON ROW, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Section of Strata sunk through at Willington Colliery, near Brancepeth.

Outset Soil Yellow clay Blue clay Fire clay	····		0 0 0 4	3	0 9 0 3	Fs.	Ft.	In.	Brought forward Fire clay 0 2 1 Post girdle 0 0 7 Marl 0 2 8 Jointy post 1 5 2
COAL	•••	•••	0	0	1	5	3	1	Grey metal 0 0 6
	Carried	for	war	d		5	3	1	Carried forward 2 5 0 5 3 1

# No. 2,265.—WILLINGTON.—CONTINUED.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 2 5 0 5 3 1	Brought forward 18 4 11
Ft. In.	White post 8 1 0
COAL 0 8	Blue whin 0 4 0
Black band $0   1\frac{1}{2}$	White post 1 3 0
COAL 0 9	COAL 0 1 4
$ 0 1 6\frac{1}{2}$	<del></del>
$\frac{}{}$ 3 0 $6\frac{1}{2}$	Fire clay 0 1 6
Fire clay 0 4 8	Blue metal 0 5 3
Metal and grey girdles 0 5 0	COAL 0 1 0
Blue metal 0 2 6	1 1 9
COAL 0 0 9	
2 0 11	Fire clay 0 3 5
Thill 0 1 10	COAL 0 1 3
Grey post 0 0 11	0 4 8
Girdle 0 0 3	
Blue metal 0 1 9	Fire clay 0 1 3
COAL 0 0 5	Blue metal 0 2 0
0 5 2	Grey post girdles 0 3 6 White post 1 2 0
Fire clay 0 3 0	reality Para III
Grey metal 2 2 6	
Black metal 0 1 4	
COAL $0 \ 1 \ 6\frac{1}{2}$	Brown post girdles 0 0 10
	White post 1 5 0 Blue metal 0 2 7
Fire clay 0 3 5	Blue metal 0 2 7
Brown post 2 2 0 Blue metal 0 2 7	Main Coal Seam-
Blue metal 0 2 7	Ft. In.
Ft. In.	COAL 0 2
COAL 0 8	Black stone 0 9
Stone and	COAL 4 3
band 0 2	Splint 0 4
COAL, clean 2 0	0 5 6
0 2 10	6 3 6
- 3 4 10	
Carried forward 18 4 11	Total 38 0 2
Carried for ward 10 4 II	10tal 38 0 2

## No. 2,266.—WILLINGTON.

TOWNSHIP OF HELMINGTON ROW, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 42′ 15″, Long. 1° 41′ 52″.

Section of Strata sunk through in the B Pit, Willington Colliery.

Approximate surface level 300 feet above sea (Ordnauce datum).

Blue clay Loamy clay Sand		0	1 5 4 0	0 0 0 8	s. Ft. In.	Loamy clay	5 1 1 1	0 0 4 0	0 0 0	Fs. Ft.	In.
Carried	forward	5	0	0	.	Carried forward	9	4	0		

#### No. 2,266.—WILLINGTON.—CONTINUED.

'Brought forward Strong blue clay Blue metal COAL  Grey metal Seggar Grey metal Whin Grey metal Dark blue metal COAL	Fs. Ft. In. Fs. Ft. In. 9 4 0 3 2 0 0 0 1 8 0 0 10 0 0 5 4 0 1 6 2 3 2 0 0 1 1 0 0 1 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Brought forward 2 0 2 18 1 10  Five-Quarter Seam—  COAL, coarse 0 4  Jet 0 5  COAL 2 2  ——————————————————————————————
Seggar Light blue metal Post Dark metal Post Blue metal Carried forward	0 2 0 0 4 0 0 2 0 0 1 6 0 1 6 0 1 2 2 0 2 18 1 10	COAL 1 3 Band 0 1½ COAL 1 2 Band 0 1½ COAL 0 6 0 6 0 3 1½ Seggar 0 1 4 Total 32 211½

## No. 2,267.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Bored near Willington, in a Gill 700 or 800 yards North from a Bridge, near the Half-way House, Shields Road. 1752.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Soil and gravel 0 3 0	Brought forward 12 0 0
Brown and grey	Blue metal 2 4 0
rambly post, with	Black metal 0 1 0
water 1 0 0	Grey metal 1 1 0
Soft brown sandy	Brown, grey, and red
metal 0 2 0	scamy metal, with
Open brown and grey	girdles or lumps 1 1 6
scamy post 3 0 0	White post with grey
Brown and grey sandy	scamy partings 1 0 0
metal 2 3 0	Red and grey scamy
Open brown post, with	stone, with girdles
water 1 0 0	or lnmps 0 4 0
	Brown and grey girdly
Brown scamy post,	
with girdles and	post 1 3 0
partings 3 4 0	
Carried forward 12 0 0	Carried forward 20 2 6

# No. 2,267.—WILLINGTON.—CONTINUED.

D - 14 6		Ft.	In.	Fs.	Ft.	In.	Property formers	. Ft.	In	Fs.		In.
Brought forward	20	2	0				Brought forward 5	9	0	48	1	2
Brown and grey open							Grey and black metal,					
post, and set away	0		_				with some small	_				
the water	2	3	0				scares of coal 0	1	0			
Grey and white post,							COAL 0	0	3			
with brown scamy	_									6	0	3
partings		0	0				Soft black and grey					
White post	1	3	0				metal, with girdles 0	2	0			
Whin girdles, mixed							White post 0	3	0			
with post	0	2	6				White post 0 Grey metal stone 1	0	0			
with post White post	3	1	0				Blue metal, with gir-					
Grey and red scamy							dles or catheads 1	0	0			
metal stone, with							COAL, foul at the					
girdles and partings	2	0	0				bottom 0	0	9			
White post, with grey										2	5	9
scamy partings	1	3	0				Plna motal	4	_	-	U	J
Blue metal	ō	1	0				Blue metal 0	4	0			
White post, mixed		_	•				COAL, foul 0 6					
with whin	0	4	0				Blue metal 0 4					
White and grey post	1	0	0				COAL, foul 0 6					
	1	0	0									
Grey metal	1	U	U					9	0			
Soft black and grey							0	2	0	1	0	-
metal, mixed with	-	1	0				_			1	0	0
coal	0	1	8				Grey metal 0	1	8			
COAL, hard foul	_	_	_				Grey metal stone, with					
brassy	0	1	0				post girdles 0	3	0			
				35	4	8	Blue and black scamy		Ŭ			
				00	_	J		4	6			
Strong white post	0	0	6				White post 1	0	0			
White post, with grey							White post mixed	U	U			
scames	2	4	0				White post, mixed					
Grey metal stone, with	_	~	Ŭ				with whin and water 0	0	- 0			
post girdles	1	2	0					0	8			
post girdles White post Blue metal	î	4	6				Blue metal 0	3	0			
Ring metal	ō		ő				Blue and black metal 0	3	0			
Black and blue metal	1		ő				Black slaty metal,	_	_			
0 111	- 4	^					mixed with coal 0	0	9			
Grey metal stone	1	0	0				COAL 0	0	5			
Comment of the contract of the	0	3	0							3	5	0
Crey post	0	46	0				Blue metal stone, with					
White post Grey post Strong white post Whin	0	G	0				mixture whin gir-					
w nin	0	1	0				dles or lumps 1	3	0			
TOTOME TIMESO PODO TITE	-	-	0				COAL 1					
	0		0				COAL 0	U	10			
COAL	0	0	6				_			1	3	10
				12	2	6	Black and grey metal,					
					_	U						
Grey metal and grey							with girdles or	5	0			
metal stone	2	1	0				lumps 1 Grey metal stone 1		0			
Post girdles, with	_	_	·					3	0			
metal partings	1	0	0				White post, mixed	7	0			
metal partings Grey post	0	3	0				with whin 0	1	6			
Grey post	U	J	U				Grey metal stone 2	0	1			
Grey post girdles, with							White post 0 Strong white post,	4	4			
blue and black part-	7	0	0				Strong white post,					
ings	1	0	0				mixed with whin 2	1	5			
Grey and black metal,		_					Whin 0	0	11			
mixed with coal	0	1	0				Strong white post,					
Blue metal, with gir-							mixed with whin 0	1	0			
dles or catheads	1	0	0				Whin 0	0	4			
							Mixture whin 0	4	5			
						1		2	_			_
Carried forward	5	5	0 4	18	1	2	Carried forward 9	4	0	63	4	0
our roa tor ward	0	0	0 4	10	4.	4	Carried forward 9	T	U	Je	-	-

## No. 2,267.—WILLINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	9	4	0	63	4	0	Brought forward 16 4 6 63 4 0
White post	0	1	4				Black metal, mixed
Whin	0	5	0				with coal 0 0 8
Strong white post,							16 5 2
mixed with whin	1	2	0				Blue metal 0 2 10
Strong white post,	_	_	_				Hard black grey
with water	1	Ω	0				girdly gtone
	1	U	U				girdly stone 0 1 6
Strong white post,							Grey metal stone 0 1 0 White and grey post 0 1 6
with some black							White and grey post 0 1 6
scames							Black metal, with hard
Whin	0	0	9				girdles or lumps 1 1 0
Strong white post,							Black metal, with some
mixed with whin	1	0	0				small white scares 0 4 4
Strong white and grey							Black metal, with
post girdles, with							girdles or lumps 1 1 0
metal partings	0	4.	9				COAL, foul 0 0 4
White post			6				4 1 6
Blue metal, with white	U	2	U				Grey metal stone 0 2 0
	0	-	c				
scares							Grey and white post 0 2 6
Blue metal			2				Whin 0 0 4
Black slaty metal		0					White and grey post 0 2 6
COAL	0	0	8				1 1 4
		_					
Carried forward	16	4	6	63	4	0	86 0 0

## No. 2,268.—WILLINGTON:

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0′ 42″, Long. 1° 30′ 3″.

Bored in the Millbank Pit, at Willington. February 23rd, 1775.

Approximate surface level 195 feet above sea (Ordnance datum).

Sunk to the scaffold  In box 6 0 0  Grey and blue metal 2 1 0  COAL 0 2 5	Brought forward 8 4 3 31 4 5 Grey metal 0 3 6 Ft. In.
Blue metal 0 2 5 8 3 5 COAL 0 1 0 4 4 0	Blue metal 0 5 COAL 2 9
Grey and blue metal, $0   4   7$ with girdles $4   3   5$ Grey scamy post $0   0   9$ Black metal, mixed	Grey metal 0 4 6  White and grey scamy post 1 0 0  Grey metal stone 1 0 0  COAL, foul 0 0 6
	2 5 0
Carried forward 8 4 3 31 4 5  * Approximate sea let	Carried forward 44 3 2 vel (Ordnance datum).

## No. 2,268.—WILLINGTON.—CONTINUED.

Brought forward					Ft.		Brought forward 15 3 0 48 1 8
Grey metal	0	0	0 2				Grey metal stone, with black scames 0 1 6
		_		3	1	2	COAL 0 0 1
Grey metal	0		10				Grey metal 0 0 5
COAL, foul	0	0	6				COAL 0 0 10
				0	3	4	15 5 10
Grey and white post	0	5	0				Grey scamy metal
Grey metal stone, with							stone, with post
post girdles and		4	^				girdles 2 4 0
water	^	3	0				Grey scamy post 0 2 3 Mixture whin 0 1 3
Whin	U	3	U				
Grey metal stone, with	5	Λ	0				Grey metal stone, with post girdles 1 0 0
post girdles	5						Blue metal, with post
Strong grey post	0	3	0				girdles 1 0 0
Grey metal Soft black grey metal			6				Black stone 0 2 0
Soft grey and red	U	-	U				Grey metal stone 0 4 0
ramble	1	1	6				In grey metal 0 4 0
Blue grey scamy metal	2	ō	0				——— 6 5 6
Dide grej scamy metar			_				
Carried forward	15	3	0	48	1	8	Total 71 1 0
0.222304 20211 222							

## No. 2,269.—WILLINGTON.

#### TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0′ 34″, Long. 1° 30′ 27″.

#### Sunk in the Edward Pit, Willington Colliery.

					-	
Fs. Ft. In. Fs. Ft. In.  Color of the color	Fs.	Ft.	In.	Fs. 52	Ft.	In.
Soil and blue clay 6 0 8 Brought forward		-		04	7	U
Blue scamy metal 2 0 4 Blue stone		1				
Brown post 5 2 8 Blue grey metal 2 3 4 Strong white post Blue stone	1	1	6			
Blue grey metal 2 3 4 Blue stone	1	4	0			
Black stone 0 3 0 COAL, foul	1	1	0			
Brown scamy post 1 1 0				-	0	0
Scamy post 4 3 0	_	_		7	2	0
Di .	1	4.	0			
Dide and Stown Scamy		î	4			
medal	0	-		1	5	4
Grey post, with soft				-	0	-
partings 6 2 6 Blue stone	1		6			
Ring seamy metal 1 1 6 Grey post	1	3	0			
Blue scamy metal $\dots$ $\begin{cases} 1 & 1 & 6 \\ 4 & 0 & 6 \end{cases}$ * Grey post $\dots$ Grey metal stone $\dots$	1	1	4			
0.0.0	0	1	0			
35 0 0 COAL	0	-	•	4	2	10
	-		_	4	o	10
Blue metal, with Grey metal, with						
girdles 12 4 0 girdles	2	5	0			
Tirey nost		•	_			
Blue metal 0 3 0	19	3	0			
COAL, foul 0 1 0	10	J	U			
——————————————————————————————————————						
Carried forward 52 1 0 Carried forward	16	2	0	66	0	2
Carried forward 52 1 0 Carried forward	7.0		0	00		

^{*} Approximate sea level (Ordnance datum).

# No. 2,269.—WILLINGTON.—CONTINUED.

D146 1	Fs.	Ft.	In.	Fs.				Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward Blue and black metal,		2	0	66	0	2	Brought forward	2	0	0	128	3 0	7
with post girdles	4	9	0				Black metal	0	0	9			
A A A I	0		10				Grey metal stone	0	4	9			
COAL	_			20	5	10	Whin Dark grow motel stone	0	0	5			
0 121				20	U	10	Dark grey metal stone						
Grey metal stone		3	0				and metal, with post	1	4	0			
Strong white post	1	3	0				White post, with metal	1	4	0			
Whin	0	2	0				partings	0	4	0			
Post, mixed with whin	6	3	0				Dark grey metal and	U	19	U			
COAL—High Main	-	^	_				metal stone, with						
Coal Seam	1	0	0	10	-	0	whin girdles	2	5	2			
				10	5	0	Whin, with a mixture	-	U	2			
							of strong post (9						
Depth to the High	Ma	uin					days)	0	1	10			
Coal Seam				97	5	0	Dark grey metal and		_				
D 7 37 40 4W00							metal stone	2	0	0			
Bored Nov. 19, 1793,							Bensham Seam-						
in a Staple near the													
Edward Pit:—							COAL 3 10						
Grey metal stone, with	C	0	0				COAL, hand 0 10						
whin girdles	6	0	0				0 10	0	4	8			
Grey metal stone and	=	1	9						-		11	1	7
girdles	5	1 2	9							-	TT	1	•
Grey metal stone, with	U	2	9				Grey metal stone and	_					
girdles	2	2	0				grey metal	0	4	0			
Dark grey metal stone	2	2	U				White and grey post,	-	0	_			
and metal, with post							with partings	1	0	0			
girdles	3	4	4				Grey metal and metal	0	9	4			
White post	1	2	0				stone	2	2	4			
Dark grey metal stone	•	_					Soft grey and black metal	0	K	0			
and metal, with post							COAL, with sulphur	0	5	U			
girdles	2	3	11					0	1	6			
Dark grey metal stone	ō	5	0				and water	-0	1		5	0 1	ın
Black metal, with coal								_	_	_	U	0 .	LU
pipes	0	0	8				Grey metal	0	0	6			
Dark metal, with							White and grey post	0	4	6			
girdles	1	0	4				Grey metal stone	0	2	5			
Whin, with partings							COAL, with water	0	1	3	1	0	0
and water	0	1	6								1	2	8
Grey metal stone	0	1	6				Grey metal stone	0	5	0			
Whin	0	0	6				White post	0		1			
Grey metal stone and							Whin	0		6			
whin girdles	0	3	3				Strong white post	0	1	6			
Whin	0	2	0				Grey metal and metal						
Grey metal stone and							stone, with whin		^	0			
metal, with post	,		_				girdles	4	0	0			
girdles	4	1	0				Five Quarter Coal					•	
Yard Seam— Ft. In.							Seam-						
COAL 2 4							COAL, with						
Grey metal							sulphur and Ft. In.						
stone 2 0 COAL 0 9							water 1 9						
COAL 0 9	0	=	1				Grey metal 0 2						
	0	5	1	20	1	7	COAL, with						
a				30	T	1	sulphur and						
Grey metal stone and							water 1 0	0	0 4	1			
metal, with post								0	2 1	1	c	1	0
girdles	2	0	0				-			_	6	1	U
						_					-		_
Carried forward	2	0	0	128	0	7	Carried forv	vard		15	52	0	8
										v			

# No. 2,269.—WILLINGTON.—CONTINUED.

Brought forward	Fs.	Ft.		Fs. Ft		Brought forward Fs. Ft. In. Fs. Ft. In. 155 3 3
Whin and white post alternately	1	4.	1			Grey metal stone 0 3 6 Strong white post, with
Grey metal stone, with	-	-	_			water 5 3 3
girdles Hutton Seam—	1	1	2			Dark grey metal 0 4 9 COAL, splinty, with
COAL, foul, with						grey metal 0 3 1
soft thill	0	3	4			7 2 7
	_			3 2	2 7	Grey metal stone 1 2 9
Carried for	war	d		155	3 3	Total sunk and bored 164 2 7

The depth of this pit from the surface to the offtake or Tyne level drift is  $30\frac{1}{2}$  fathoms, high water mark.

## No. 2,270.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Bored in the Sinking Pit, Willington, near the Boundary House. February 5th, 1795.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In.	Fs. Ft. In.					Fs.	-	In.
Sunk to the scaffold 13 0 6		Brought forward	13	3	0	33	1	4
Box 4 0 0		Strong grey metal	-	_	_			
	17 0 6	stone	1	2	2			
Strong white post, with		Black stone, with	_		0			
water 1 1 6		sparkles of coal			8			
Brown scamy metal 0 3 9		COAL	0	0	4			
Whin 0 0 9		G 11 1/1 1				15	3	Z
Strong white thready		Grey metal, with gir-		^	_			
post, and settled the		dles or lumps						
water 5 2 0		COAL	0	0	9	0	0	0
Grey scamy metal		G .		_	_	3	0	9
stone, with post		Grey scamy post			0			
girdles 3 2 0 Whin mixture 0 1 6		Mixture whin	U	1	6			
		White and grey						
Grey metal and metal		thready post, with						
stone 4 1 0		water, and set away	0	4	0			
Black and grey metal,		the top feeders	0	4	0			
with some scares of		Strong grey metal	7	7	^			
coal 0 5 6		stone, with girdles		1	0			
COAL 0 0 10	10 0 10	COAL	U	Т	U	3	2	0
	16 0 10	Communicated with soul				e)	4	U
		Grey metal, with coal pipes and hard						
Grey scamy stone, with post girdles and			7	1	9			
		lumps Grev metal and metal	T	1	o			
metal partings 7 4 6 White post 0 1 0		stone, with post						
****		girdles post	2	4	9			
Whin 0 2 3 Grey post 0 0 9		Strong white post, with	4	~10	J			
Whin 0 3 0			0	4	6			
Grey and white post,		water Grey metal stone	ő	3	0			
with partings and		In strong white post,	J	9				
water 4 3 0		with water	0	3	6			
2 0 0		with water		9	_	5	5	0
-						_	_	
Carried forward 13 3 0	33 1 4	Total				61	0	3
		2000			=	_	-	

## No. 2,271.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

Long.

Bored in Willington Estate, about 830 yards to the South from Shiremoor New Engine and near the New Winning.

				Fs.	Ft.	In.					Fs.		
Sunk about	6	3	0				Brought forward				45	5	0
Box	0	1	8	_			Grey metal	0	4	6			
				6	4	8	Black metal		1	2			
Blue and brown scamy							COAL	0	0	5	_		
metal	2	1	4							_	5	0	1
Brown scamy post,							Grey metal	0	2	3			
with rambly part-							Grey metal stone, with	-	_	_			
ings and water, and							hard girdles	3	1	8			
set away the top							Black stone	0	ō	7			
feeder	5	2	8				COAL	0	ŏ	5			
Blue grey metal	2	3	4								3	4	11
Black stone	0	3	0							_	Ü	*	
Brown scamy metal	-1	1	0				Grey metal	. 0	1	6			
Grey post, with scamy							Blue and grey metal						
partings and water	4	3	0				stone, with strong	_					
Blue and red scamy							white post girdles	2	3	0			
metal	0	5	0				Grey metal	0		6			
Grey and brown post,							COAL	O	0	8			
with soft scamy											3	0	8
partings	6	2	6				Grey metal	1	0	0			
Blue metal, with	_						Black metal, with						
brown scames	5	2	0				scares of coal	0	0	5			
COAL	ő	0	6				Grey metal	0	0	5			
				29	0	4	COAL	0	1	2			
Blue grey metal	1	3	0		·	-	33/12				1	2	0
Black stone	ō	0	4				0.01	0	-	0	_		
COAL	0	0	9				Soft grey metal	0	1	6			
	_			1	4	1	Grey metal stone	0	2	9			
Grey scamy metal				_	_	-	Strong white post	0	1	8			
stone, with post							Grey metal stone, with	-	ī.,	0			
* 11.	4	1	0				strong girdles	1	4	8			
Mixture whin, with	1	_	Ŭ				Black grey metal	0	1	3 5			
	0	- 1	10				COAL	0	0	Э	9	0	3
Grey metal stone	1	2	6								3	0	9
T)1 / 1	1	4	6				Grey metal	0	0	8			
COAL	0	0	4				Grey post	0	2	0			
COAL	-	-	-30	7	4	2	Grey metal stone, with						
Grey metal	0	1	3	•	1	-	post girdles	2	3	5			
Hard girdle or lump	0		2				COAL	0	1	3			
0 11	0	2	0								3	1	4
COAL	0	0	4				Grey metal	0	1	0			
COAL	U	U	-10	0	3	9	Grey metal stone, with						
				·	U		post girdles	1	0	9			
Grey metal		1	0				Black stone	0	2	0			
Grey post, with a mix-							Grey metal stone, with						
ture of whin	0	2	0				girdles	1	2	0			
Grey metal stone		1	9				Grey and white post	-	0	0			
Grey and white post,							Whin	0	1	0			
with a mixture of							Strong white post	1	0	3			
whin at the bottom	2	1	3				Durong post						
				_		_	G : 161	5	1	0	65	2	3
Carried forward	4	0	0	45	5	0	Carried forward	9	1	U	UU		0
							* .						

# No. 2,271.—WILLINGTON.—CONTINUED.

Brought forward White post, with water near the bottom Grey metal Grey and blue metal COAL  Black metal Grey scamy stone, with strong girdles Blue and black metal Grey metal stone Strong white post, with coal pipes and scamy partings near the bottom, with water in some places	5 6 0 4 0 0 0 1 2 2	1 2 4 3 2 0 2 3 2 1	0 65 0 6 6 9 3 17 0 0 0 0		Fs. Ft. In. Fs. Ft. In.   Fs. Ft.   Fs. Ft.   In.   Fs. Ft.   Fs. Ft.   In.   Fs. Ft.   Fs.   Fs. Ft.   Fs.   Fs.
Carried forward	14	4	6 82	4 3	Total 94 0 3

## No. 2,272.—WILLINGTON.

#### TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Sunk to the High Main Coal in the South Winning Pit, Willington Colliery. 1807.

	Fs. Ft.	In. Fs.	Ft. In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset			0 0	Brought forward				40		
Soil and clay	20 0	0		Grey metal, with post						
Gravel	1 0	0		girdles	1	0	0			
Sand		0		Blue stone		3	0			
		_ 21	3 0	COAL, with water	õ		11			
Blue ramble	0 4		0 0	OOAL, with water	U	U	11	3	3	11
		-		1171 •		_		Ð	J	11
Brown post	~ ^	0		Whin	0	0	8			
Grey metal stone		0		Post		0	0			
COAL	0 0	9		Grey post, with girdles	3					
		- 8	4 9	Whin stone, with water	0	2	0			
Grey metal, with post				Grey post, with blue						
girdles	3 0	0		girdles	2	3	0			
	2 4			Black stone		3				
Grey metal stone		0		Grey metal stone, with	_	·	•			
COAL		6			0	4	6			
	0 0	-	1 0		0		0			
		<b>—</b> 6	4 6	White post, with water	4	1	0			
G . 1 . 1 . 0		4.0					_		4	-
Carried for	orward	40	0 3	Carried forward	13	5	2	43	4	Z

## No. 2,272.—WILLINGTON.—CONTINUED.

	1	
Fs. Ft. In. Fs. F	t. In.	Fs. Ft. In. Fs. Ft. In
Brought forward 13 5 2 43	$4 \ 2 \  $	Brought forward 2 0 0 74 3 10
Grev and blue metal		701
		TO T
stone, with post		Black stone 0 4 0
girdles 1 1 9	1	COAL, mixed with
COAL 0 0 6		stone 0 0 9
	1 5	0 0 0
	1 0	5 4 9
Blue grey metal, with		
strong post girdles 6 2 1		70-Fathoms Post—
COAL 0 0 4		White post 7 1 6
	2 5	Blue stone, with post
	2 0	• 11
White post 2 0 0		
Blue stone 2 0 0		Black stone 0 5 4
COAL 0 1 9		CCAL, foul 0 0 4
• • • • • • • • • • • • • • • • • • • •	1 9	
701 / 0 7 /	1 0	<del></del>
Blue stone 0 1 4		Black stone, with post
COAL 0 0 4	1	1 37
0	18	girdles 1 0 0
Blue stone, with post		Black stone 2 4 0
		COAL 0 0 3
8		
Post 0 4 6		3 4 3
Blue and black stone 1 0 6		D114 4 4 4
COAL 0 0 3		Black stone 1 1 4
	4 0	Post girdles 0 2 8
	4 0	Main Post—
Blue and grey metal		Post 10 3 0
stone 0 5 6		
COAL 0 0 11		Blue metal 0 0 9
	0 5	12 1 9
	0 0	12 1 3
Grey metal stone 0 4 0		COAL—High Main
Whin and post 0 3 0		Coal Seam 1 0 3
Grey stone, with post		1 0 3
		*
girdles 0 5 0		
Carried forward 2 0 0 74	3 10	Total 98 2 1

### No. 2,273.—WILLINGTON.

TOWNSHIP OF LONG BENTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0′ 54", Long. 1°, 33′ 35".

Bored at Willington Colliery, Richard Pit. Begun October 15th, 1810.

Approximate surface level 200 feet above sea (Ordnance datum).

Clay Brown post		Fs. 5 6 0	3	ŏ	řs.	Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. In. Ss. In. In. Ss. In. In. In. Ss. In. In. In. In. In. In. In. In. In. In	In 6
		_		1	.1	3	6	9 0	9
				_			-	-	
	Carried i	forwar	1	1	.1	3	6	Carried forward 20 4	3

### No. 2,273.—WILLINGTON.—CONTINUED.

Brought forward	Fs.	Ft.	In. F		In.	Fs. Ft. In. Fs. Ft. In. 43 5 3
	3	0	0	<i>J</i> ±	9	Blue metal and gir-
	3		0			11
			0			70-Fathoms Seam—
Black metal		0	-			
Grey metal		0	0			COAL 0 2 0
Grey whin	2	0	0			4 2 0
White post	1	0	0			Blue metal and gir-
Blue whin	0	3	9		. de	J1
) - True "   1 -	0	2	3		**	
White post girdles	3	0	0			COAL 006
Blue metal	2	0	0			5 0 6
COAL	0	1	0			Grev metal 3 0 0
	-		7.0		^	
			- 18	3 1	0	White post 6 0 0
Coor most	3	0	0			Grey metal 2 0 0
Grey post Blue metal	1	0	0			White post 2 0 0
	1	2	_			Black stone 2 3 0
COAL	0	Z	0			COAL 0 0 9
			- 4	<b>b</b> 2	0	<del></del>
Grey metal	0	3	0			White post 11 3 0
00'11	0	1	0			COAL-High Main
COAL	U	1	U			Seam 1 1 0
			- (	4	0	
						12 4 0
			-		_	
Carried for	war	1	4	3 5	3	Total 81 3 6

^{*} Approximate sea level (Ordnance datum).

## No. 2,274.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Bored near Willington Quay, about 50 yards North-east of the Copperas House.

Soil, with a mixture of	Fs.	Ft.	In.	Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In. Brought forward 1 3 0
soft clay	0	2	3		Stony clay 0 1 3
Leafy clay, with a mixture of sand and					Soft swelling clay 0 2 3 Stony clay 0 2 9
a siping of water Sand, with a mixture	0	3	0		Stony clay, with a small mixture of
of clay and water					sand 0 0 6
Gravel, with water	0	1	6		2 3 9
Carried forward	1	3	0		Total 2 3 9

## No. 2,275.—WILLINGTON.

#### TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Bored in the Second Place, 200 yards North from the First.

Approximate surface level feet above sea (Ordnance datum).

Soil	Fs. Ft. In.  Brought forward 4 5 6  Soft stony clay 0 1 6  Sand, with water 0 2 0  Stony clay 3 3 0  Leafy clay 0 4 0  Stony clay 2 4 3
Carried forward 4 5 6	Total 12 2 3

### No. 2,276.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Bored in the Third Place, 200 yards North from the Second.

Soil 0 0 9 Stony clay 4 0 9 Sandy clay, with a small siping of water 0 1 6 Stony clay 1 0 0 Leafy clay 2 3 0	Brought forward 8 0 0 Stony clay 2 5 0 Leafy clay 0 5 0 Strong stony clay 9 2 0
Carried forward 8 0 0	Total 21 0 0

## No. 2,277.—WILLINGTON.

#### TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Account of Strata bored through at Willington Burn. Begun November 8th, 1836; ended 1837.

			In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In
Sand and water	0	2	6				Brought forward 9 1 2 30 4 11
Strong blue clay	9	0	. 6				Ft. In.
Grey metal	0	1	6				COAL 3 3
Ft. In.							Splint 0 5
COAL 1 6							0 3 8
COAL, danty 0 9							9 4 10
	0	2	3				Strong whin 0 0 2
				10	0	9	Grey metal, with iron-
C	_	-		10	U	9	
Grey metal	0	1	8				stone girdles 1 0 2
Grey metal stone	1	0	0				Strong post 0 3 4
Grey post	0	2	0				Dark scamy post, with
Blue metal, with							water 1 1 6
partings	0	- 0	6				Grey metal 0 5 5
Grey post	0	3	0				Strong white post, with
Brown post, and set							water 0 3 3
away the water	4	4	8				Grey whin 0 0 6
Grey metal	0	1	3				Brown post 0 2 6
COAL	0	î	5				0 - 111
COAL	U	Т	J	7	2	6	
G 4.1	_	-	_	- 1	4	O	The state of the s
Grey metal	0	2	0				Grey metal, with post
Grey metal, with post							girdles 2 0 3
girdles	1	3	0				Black metal, with
Grey metal	0	4	11				scares of coal 0 3 3
Black stone	0	0	6				COAL 0 0 5
COAL	0	0	9				8 3 2
				2	5	2	Grey metal 0 2 0
Band	0	1	1				Scamy post 3 1 9
Brown post, with water	0	ĩ	6				
Y 7 7 2 4 1	5		10		-		
	1	1					Dina stana
Strong post	L	Т	4				
Grey metal, with post	-						Grey metal 0 2 7
girdles	1	4	3				Grey shivery post 2 4 6
Grey metal	0	4	7				Strong white post 0 2 0
Ft. In.							Strong post 1 2 3
COAL 1 9							Dark brown shivery
Band 0 4							post 0 1 10
COAL 1 10							CÓAL 0 1 3
	0	3	11				12 3 1
				10	2	6	Grey metal 0 2 8
Grey metal	0	1	3		_		Grey shivery post 1 1 1
CT 1	1	3	0				
	1	0	4				
Grey metal	1	U	4				
Strong white post, with	0	0	j.,				White shivery post 0 4 4
water	6	0	7				Strong grey post 0 1 5
Grey metal	0	2	0				Grey metal 0 0 3
				_			
Carried forward	9	1	2	30	4	11	Carried forward 5 0 4 61 4 0

## No. 2,277.—WILLINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	5	0	4	61	4	0	Brought forward 3 0 0 69 3 2
Strong grey scamy					_	•	Dark blue motel
		9	11				Dark blue metal 0 2 7
	0						Strong white post 1 3 6
Dark shivery post	0	2	6				Strong scamy post
Dark grey metal	1	0	5				and water 1 0 1
Black stone Grey metal	0	1	3				Grey metal stone 0 3 11
Grey metal	Õ	2	4				Blue and black metal 0 3 11
COAL	0	~	- 2				
COAL	U	U	o)	_	_	_	COAL 0 1 6
			_	7	5	2	7 3 6
Grey scamy post	0	1	6				Grey metal 0 0 8
Grey metal, mixed							Grev post 0 3 9
with post	0	1	11				Grey post 0 3 9 Blue metal 0 3 5
Brown scamy post							White post 0 4 6
Strong white post	0	1	4				Dark grey metal, with
Grey whin, with water Strong grey post	0	0	8				post girdles 1 1 4
Strong grey post	0	1	5				Strong white post 0 1 10
Grey metal, inclining							Dark grey metal, with
to post	0	2	6				post girdles 0 4 9
	0	4	U				Delle server delle control del
Strong grey post gir-	_	_					Dark grey metal 0 4 8
dle		1	4				5 0 11
Dark grey metal	0	1	11				
-							
Carried forward	3	0	0	69	3	2	Total 82 1 7
Carried for ward				00	9		10tal 82 1 7
							,

### No. 2,278.—WINDLESTON.

TOWNSHIP OF WINDLESTON, DURHAM.

Sheet 42 or 43 of Ordnance Map. Lat.

, Long.

Strata sunk through in the 16-feet Pit at Windleston Colliery for Messrs. Joseph Pease and Partners. Finished October, 1877.

-		1														
Soil				Fs.	Ft.		Fs.	Ft.	In.	Brought forward				Fs. 39		In. 11
Clay			• • •	_	5					White post with	_	٠.	•	00	·	
Cla	y		•••	J	υ	U	4	0	0	ruddy partings	4	2	4			
Ruo	wn and	hluo	lima o				-18	U	U	COAL	ō	ĩ	ō			
				20	1	0							_	7	0	11
81	one	• • •		30			200		0					•	0	
Cua				_			30	4	8	Seggar clay	0	1	9			
	y metal									COAL	0	0	7			
	ite post			1	4	О								0	2	4
	ite po		with	-	0	_					0	0	10			
	iddy par			1							0					
	sandsto			1						COAL	0	0	2			
	e metal				0	6								0	4	0
CO	AL			0	0	11		_		771 1	0	1	Ω			
~							5	1	3	Black metal	U	1	U			
	gar clay			0						Blue metal, with iron-	9	9	4			
Stro	ng grey	met	al	2	0	1				stone nodules	9	4	4			
										C	3	3	4	4.8	1	2
	Carried	forv	vard	2	3	7	39	5	11	Carried forward	O	U	-TE -	TO	-	2

## No. 2,278.—WINDLESTON.—Continued.

No.	2,2	110.	•	77.	LLI	1711.	BOTON. CONTINUE	,.					
D 140 1	Fs.	Ft.	In.	Fs.	Ft.	In.	Dw.nobt forms	Fs.	Ft.			Ft.	
Brought forward		3	4	48	1	2	Brought forward Seggar	0	0	6	88	3	4
Hutton Seam— Ft. In COAL 2 1	١.						Strong grey metal	0	5	6			
Splint 0 8							Blue metal, with iron			Ŭ			
	0	2	9				halls	1	4	6			
				4	0	1	Black metal Ft. In.	0	2	6			
Soft seggar clay	0	2	4				COAL cana) Ft. In.						
White post, with open		0	C				COAL, can- nel }* 0 4						
gullets Grey metal	2 0	3 1	6 4				COAL, good 1 2						
Grey metal	ő	0	4					0	1	6			
			_	3	1	6			*	0	3	9	C
Seggar	0	5	8					_			9	2	6
Blue metal	1	3	8				Seggar	0	0	10			
White post with black							White post, with whin balls	4	0	8			
metal partings, with	1	4	6				Grey metal	0	0	2			
open gullets Seggar, with coal		x	U				COAL, coarse	0	1	6			
nines	0	0	7							_	4	3	2
Grey metal	0	2	0				Coarca carron	0	9	0	-		-
White post, with		_					Grey metal, with iron	0	2	0			
ruddy partings	2	2	0	•			balls	6	0	9			
Strong grey metal	1	0	4 2				COAL, very coarse	0	0				
COAL				8	4	11					6	3	7
Seggar	0	2	0	Ŭ	-		Socran	0	0	8	Ŭ	Ŭ	Ĺ
Grey metal, with post							Seggar Grey metal, with post	U	U	0			
girdles	1	3	0				girdles ,	1	1	4			
White post, with ruddy	4	0	0				Grey post, with metal						
partings	4 3	$\frac{3}{0}$	0				partings and coal						
Grey metal Coarse seggar, with	o	U	10				pipes	0	5	0			
iron balls	0	2	0				COAL—Busty Seam	0	Ω	7			
White post, with balls							(bottom part)	0	2	1			_
of whin	5	1	0				•				2	3	7
Grey metal	1	4	3				Coarse seggar clay	0	3	0			
Harvey Seam— Ft. In. COAL 1 2							Strong white post	7	5				
Grey metal 0 11							COAL	0	0	5			
COAL 2 6										_	8	3	4
	0	4	7				Seggar clay	0	0	11			
_				17	2	8	White post, with metal						
Seggar	0	1	6				partings	1	2	0			
White post Grey metal, with post	0	5	6				Strong thill stone,	0	5	0			
girdles	0	1	6				resembling seggar	0	3	0			
Grey metal (resemb-		_					Strong grey metal,						
ling seggar)	0	5	0				with post girdles	2	2	3			
Grey metal, with post	_	_					COAL	0	1	10			
and whin girdles	1	5	0							_	5	3	0
Blue metal, with iron-	0	1	0				Secon clay	0	1	6			
stone nodules	2	0	6				Seggar clay Grey metal, with post	0	-	9			
Busty Seam (top		v	Ü				girdles	0	4	0			
part)— Ft. In.							White post, with metal						
COAL 1 7							partings	0	4	0			
Band 0 3							Strong white post, with	9	1	7			
COAL 1 2	0	3	0				whin balls Blue metal	3	4 0:	7			
		0	_	6	5	0	Blue metal	U	υ.				
				_									
Carried for	ward	1		88	3	4	Carried forward	5	2	11 :	119	4	6

^{* 3,200} gallons of water per hour.

## No. 2,278.—WINDLESTON.—CONTINUED.

Brought forward	s. Ft.	In. Fs.	Ft. 1	[n.	Fs. Ft. In. Fs. Ft. In. Brought forward 8 4 8 151 3 6
Brockwell Seam—	0 4 .	11 110	-30	١	Brought forward 8 4 8 151 3 6 Grey metal 1 0 6
Ft. In.					White post 0 3 0
COAL, good 1 1					Grey metal 0 1 0
Black metal band 0 4					Grey post 1 0 0
band 0 4 COAL, good 1 6				İ	Grey metal 0 1 0 COAL — Victoria
COAL, coarse 0 8					Seam 0 1 5
Seggar clay					11 5 7
band 0 5					
COAL, good 0 6					Coarse seggar 0 2 0
Seggar clay band 0 6					Grey metal, with post girdles 0 4 0
COAL, good 1 4					girdles 0 4 0 White heavy post, with
	1 0	4			whin girdles 1 2 10
		(	3	3	Grey metal 2 4 0
Coarse seggar, with					Grey whin girdles 0 1 0
coarse seggar, with iron balls	0 1	6		1	Bastard post 0 3 0 White post 1 2 3
Grey metal, with iron					White post 1 2 3 Grey leafy post 2 1 0
balls	1 3	0			Soft grey metal 2 3 11
Grey metal, with post	, ,	0			COAL 0 1 0
girdles	$\begin{array}{cccc} 1 & 1 \\ 1 & 1 \end{array}$				12 1 0
White post Brown whin	0 3	4 _			Seggar 0 1 6
White post	0 0		•		White post 0 2 0
Grey metal, with post				- 1	Grey metal, with post
girdles	0 3				girdles 0 3 0
White heavy post	0 3	6			Grey metal 2 3 9
Grey metal, with post girdles	1 3	9			COAL 0 0 11
White post, with whin					3 5 2
girdles	2 4	l 9			Ganister 0 4 0
Grey metal, with post					
girdles	$\begin{bmatrix} 2 & 1 \\ 1 & 1 \end{bmatrix}$				Bottom of pit 180 1 3
Black metal	0 0	_			
OORE		1	3 4	11	
Seggar clay	0 8	3 0			Bored further:
Grey metal	0 8				Grey metal, with post girdles 2 5 0
White post, with whin					girdles 2 5 0 Black metal partings 0 0 1
girdles	1 4				Grev metal 0 3 10
Grey post	$\begin{array}{ccc} 1 & 2 \\ 0 & 5 \end{array}$				Post (dark at top) 5 2 7
Grey metal Strong white post		5 3			Grey metal 0 2 6
COAL		0 8			Grey metal, with post girdles 1 3 7
		1	0 1	5	Blue metal 0 4 2
Coarse seggar	0 2	2 0			Black metal 0 0 4
Grey metal, with post					Grey metal 0 2 5
girdles		4 9			Grey metal and post
COAL, coarse	0 (	0 8	1 1	5	girdles 1 2 8 White post 8 2 6
C	0		- 1	,	Grev metal 0 5 7
Grey metal, with post	0	3 0			White post 3 3 8
girdles	0 :	3 6			Grey metal 5 3 11
White post, with whin					Grey with
and partings	7	4 2			32 1 4
					That denth sunk and bored 212 2 7
Carried forward	8	4 8 1	.51 8	3 6	Total depth sunk and bored 212 2 7

### No. 2,279.—WINGATE GRANGE.

TOWNSHIP OF WINGATE, DURHAM.

Sheet 28 of Ordnance Map. Lat. 54° 43′ 40″, Long.1° 23′ 1″.

Strata sunk through in the Lady Pit, Wingate Grange Colliery.

Approximate surface level 400 feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. Outset	Brought forward Fs. Ft. In. Fs. Ft. In. 72 5 91
Outset 0 5 0 Soil 0 1 0	Band 0 1 2
Blue clay 13 3 0	COAL—Five-Quarter
——————————————————————————————————————	Coal Seum 0 4 2
Limestone, with ir-	0 5 4
regular partings of	Black metal 0 1 2
blue and black metal	Grey metal 1 3 6 White post 1 2 1
at 6 to 8 feet from	
the bottom 45 0 5	Grey metal 0 3 6
Black metal 0 1 4	COAL 0 1 5
Yellow clay 0 0 3	3 5 8
Soft yellow freestone 0 1 3 White post 2 1 9	Grey metal 2 2 5
White post 2 1 9	COAL 0 0 4
Pod motal *	
(0 1 0)	
Grey metal 4 1 0	Post 5 5 8 Grey metal 0 2 2 Black metal 0 3 9
Blue metal 1 1 5	Black metal 0 3 9
Three-Quarter Coal	Main Coal Seam—
Seam— Ft. In.	Ft. In.
COAL 1 4	COAL 1 4
Band $0  ext{ } 1\frac{1}{2}$	Band 0 4
COAL 1 8	COAL,good 3 1
Band 0 3	COAL, splint
COAL 1 0	or coarse 0 4
- 0 4 4½	0 5 1
	7 5 6
	m + 3 00 1 01
Carried forward $72  5  9\frac{1}{2}$	Total $\frac{88 \ 1 \ 0_{2}^{1}}{}$

### No. 2,280.—WINGATE GRANGE.

TOWNSHIP OF WINGATE, DURHAM.

Sheet 28 of Ordnance Map. Lat. 54° 43′ 39″, Long. 1° 23′ 2″.

Account of Sinking and Boring at the Lord Pit, Wingate Grange Colliery, in the County of Durham. 1839.

	Fs.	Ft.	In.			In.	D 1.0 1	Fs.					
Outset				0	5	0	Brought forward		U	U	U	9	U
Soil	0	1	0				Yellow limestone, with						
Strong blue clay	9	1	0				water	30	1	0			
Blue clay, with marly							Blue limestone	0	5	6			
partings	5	1	0				Yellow sand	0	1	2			
Mild, light - coloured											59	1	8
limestone	13	3	0				White post	2	4	0			
Carried forward	28	0	0	0	5	0	Carried forward	2	4	0	60	0	8

^{*} Approximate sea level (Ordnance datum).

# No. 2,280.—WINGATE GRANGE.—CONTINUED.

Duon olo & Comment	Fs.	Ft. I				Property S. Ft. In. Fs. Ft.
Brought forward	$\frac{2}{3}$		0 60 4	0	8	Drought forward 8 5 8 95 0 5
Blue metal	2		3		*	White post 1 3 6
Grey metal	3		)			Blue metal 0 1 4 Dark brown post 0 3 6
Blue metal	1		)			
Three-Quarter Coal	_	•	,			Grey metal, with post 2 5 11
Seam- Ft. In						girdles 0 4 11
COAL 1 8	•					COAL-Low Main
Stone band 0 2						Seam 0 1 8
COAL 1 6						15 2 6
Stone band 0 3						Black stone 0 0 7
COAL 1 0						White post 0 1 2
	0	4 7		9	H	Grey metal, with post girdles 5 4 10
Stone band	0	1 2	. 13	3	7	Blue metal 5 4 10 3 0 3
COAL—Five-Quarter		1 4	•			Grey metal 0 4 0
Coal Seam	0	4 1				White post 0 2 10
			- 0	5	3	Grey metal, with post
Splint and black stone	0	1 2				girdles 1 2 7
Grey metal	1	3 6				White post 0 2 1
White post	1	2 1				Blue metal 4 3 5
Grey metal	0	3 6				White post 0 2 1 Blue metal 1 4 7
COAL	0	0 5		,	0	COAL—Hutton Coal
Black stone	1	0 0	. 3	4	8	Seam 0 2 8
Grey metal	2	2 5				19 1 1
COAL	0	0 4				warm differential
			3	2	9	Total sunk 129 4 0
Black stone	0	0 10	)		_	Donal fouthou
White post	5	5 8	3			Bored further:— Thill stone 0 3 3
Grey metal	0	2 2				C
Blue metal	0	2 6				White post 0 4 6
Grey metal	0	1 3				Grey metal, with post
Main Coal Seam—						girdles 0 5 1
COAL 1 5						Blue metal 0 2 0
A white stone						Grey metal 0 4 9
band 0 5						Dark brown post 1 2 3
COAL 3 2						Grey metal 0 4 6
	0	5 0				Dark brown post 0 4 5 Strong white post 3 0 0
D1 1 1			7	5	5	Dark brown post 0 3 0
Black stone	0	1 8				White post 0 5 10
Thill stone Blue metal	0	0 11				Blue metal 1 1 8
Post girdles, with	3	0 3				Grey metal 3 3 0
metal partings	1	1 7				<u> </u>
Blue metal	0	3 1				Discontinued January
COAL	0	0 7				17th, 1840, and re-
			5	2	1	sumed by Mr. W. Coulson:—
Grey metal	1	0. 7				Grey metal 1 0 4
Blue metal	0	4 8				Black metal 0_1 4
Grey metal, with post	0	4 0				COAL 0 0 8½
girdles	0	4 8				1 2 41
White post Grey metal	2	0 11 2 10				Grey metal stone and
	U					post girdles 0 5 5
Dark grev nost	3	1 2				
Dark grey post Blue metal	3	$\begin{array}{cc} 1 & 2 \\ 2 & 10 \end{array}$				COAL 0 0 3½
Blue metal	3	1 2 2 10				
		2 10	95	0	<u>-</u>	COAL 0 0 3½

* Approximate sea level (Ordnance datum).

### No. 2,280.—WINGATE GRANGE.—CONTINUED.

Brought forward Grey metal stone and post girdles 3 3 0	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
Harvey Seam— Ft. In.  COAL 3 1  Band 0 2  COAL 0 5	(Discontinued Sept. 14th, 1841.)
Carried forward 153 4 11	Total sunk and bored $154 1 2\frac{1}{2}$

### No. 2,281.—WINGATE GRANGE.

#### TOWNSHIP OF WINGATE, DURHAM.

Sheet 28 of Ordnance Map. Lat. , Long.

An Account of the Boring in Wingate Pit, in the Low Main Staple, about threequarters of a mile North from the Shaft. April 12th, 1843.

35.3				Fs.	Ft.	Įn.	Fs. Ft. In. Fs. Ft. In.
Metal pipe	1	0	0				Brought forward 0 1 0 20 2 1
Grey metal, with post	_	_	^				Grey metal 2 2 6
girdles	5		0				Grey post 0 2 10
COAL	0	U	5		_	_	Grey metal 1 2 8
Black metal stone	0		4	6	0	5	Grey post 0 3 2 Metal 0 5 10
	U	U	4				111 0 0 10
Grey metal stone, with	-1	_	0				Grey post 0 5 10
post girdles	_	5	6				Grey metal, with
COAL	0	U	О	0	0	-	girdles 2 1 7
G				2	0	7	Grey post 2 1 7
Grey metal stone, with	_	_					Grey metal 0 3 9
post girdles	5		11				Grey post 0 1 9
White post	0		5				Grey metal stone, with
Grey metal	1		10				girdles 4 2 8
COAL	0	2	2				Grey post 1 2 4 Grey metal stone 0 5 7
a				7	5	4	
Grey metal stone, with							COAL 0 0 8
girdles	1		11				19 1 9
Grey post	0	1	10				Grey metal stone,
Grey metal and metal							scared with coal 0 3 11
stone, very dark the							COAL 0 0 4
last 2 feet	2	0	5				0 4 3
Ft. In.							Grey metal stone, with
COAL, good 1 7							post girdles 1 1 0
Splint 0 6							Grey post 1 0 2
COAL 0 6							Grey metal stone,
	0	2	7				mixed with post 0 4 10
•				4	1	9	COAL 0 3 5
Black stone, scared							3 3 5
with coal	0	1	0				In grey metal 0 0 6
Carried forward	0	1	0	20	2	1	Total 46 1 0
							· Andrewson · Andr

### No. 2,282.—WINGATE GRANGE.

TOWNSHIP OF WINGATE, DURHAM.

Sheet 28 of Ordnance Map. Lat.

, Long.

Account of Strata sunk through in the Staple intended for the Upcast from the Harvey Seam to the Main Coal, about 25 yards from the bottom of the Lady Pit, Wingate Grange Colliery.

Fs. Ft. In. Fs. Ft. In.	
Black metal 0 1 8	Brought forward 35 5 2
Thill stone 0 0 11	Black metal 0 1 0
Blue metal 3 0 3	Blue metal 2 0 0
Post girdles and metal	COAL—Hutton Seam 0 3 0
partings 1 1 7	2 4 0
Black metal 0 3 1	Thill stone 0 3 3
COAL 0 0 7	Grey metal 2 2 6
5 2 1	
Grey metal 1 1 7	3 0 0
Blue metal 0 4 8	Grey metal, with post
Grey metal and post	1 11
11 1 0 4 0	
	0 5 0
P. C.	COAL
Grey metal stone 0 2 0	COAL 0 0 3
Dark grey post 3 4 0	2 2 0
Grey metal stone 0 1 6	Grey metal stone 3 4 0
Whiie post 2 4 6	Strong white post 2 0 0
Dark brown post 1 2 0	Blue metal 1 0 0
White post 2 2 0	COAL 0 0 6
Strong grey metal,	6 4 6
with post girdles 0 3 0	Blue metal 6 0 0
OOAL-Low Main	Black stone, scared
Seam 0 3 2	with coal 0 2 0
	1 Grey post 0 4 6
Black thill stone 0 0 8	COAL 0 0 3
White post 0 1 4	7 0 9
Grey metal, with post	G1 0 1 0
girdles 2 3 0	Strong grey metal 0 4 0
COAL	Strong white post 1 3 6
	Grey metal 0 1 0
Dl.,	Post girdles 0 0 6
	Blue metal 0 1 4
Grey metal, with post	Harvey Seam - Ft. In.
D1	COAL 3 1
Blue metal 2 0 0	Band 0 2
COAL 0 0 6	COAL 0 5
	0 3 8
Blue metal 0 5 0	3 2 0
Grey metal 0 4 0	3 2 0
Grey whin 0 3 6	
Grey metal 1 3 0	
Grey whin 0 2 6	
Blue metal 3 3 6	
COAL 0 1 6	
7 5	0
Carried forward 35 5	2 Total 61 0 5

## No. 2,283.—WINGATE, SOUTH.

TOWNSHIP OF HUTTON HENRY, DURHAM.

Sheet 36 of Ordnance Map. Lat. , Long.

Account of the Strata bored through in Mr. Fox's Property by the Owners of South Wingate Colliery. Begun 21st April, 1841.

												_
			In.	Fs.	Ft.	In.	70 110			In. Fs.		
Strong blue stony clay		0	6				Brought forward				3	$3\frac{1}{2}$
Loamy clay, with dry							Grey metal	0	1	5		
thick sandy partings		0	6				Soft white and grey					
Strong blue stony clay		4	0				post, with metal					
Loamy clay and sandy							partings and water	5	3	$4\frac{1}{2}$		
partings, with water			0				Strong grey post, with					
Strong brown clay	0	3	4				metal partings	1	1	$3\frac{1}{2}$		
	-			18	3	4	Mild grey post, with					
C 0/ 1 11	0	_				~	scary partings	0	4	$3\frac{1}{2}$		
Soft marly limestone	2	0	4				Grey metal, with post					
Soft dry white lime-		_	_				girdles		1			
	30	2	7				Red metal	0	1	6		
Strong yellow lime-				0			Blue metal, with scares					
stone, with water	~ -	_	_				of red	0		5		
all through	37	5	0				Blue metal					
Strong blue limestone,							Grey post	1	0	$1\frac{1}{2}$		
thin pannels from							Grey and brown metal	0	0	$8\frac{1}{2}$		
2 to 8 inches, with							Black metal	0	0	8		
soft partings	0	4	6				Soft dark grey metal	0	0	11		
Strong blue sandy							COAL	0	0	$9\frac{1}{2}$		
limestone from 2 to										12	2 1	11
5 feet thick, with											ر ہے	LI
water Soft yellow limestone	4	5	1				Soft black metal	0	0	4		
	0	2	6				Soft silvery post, with					
Strong yellow lime-							grey and red metal					
	1		$4\frac{1}{2}$				partings					
Blue limestone	1	1	7				Strong red post	0	2	4		
_			- 78	R !	5 1	11	Soft grey post, with					
6 13						2	red metal partings	1	0	$3\frac{1}{2}$		
	0									_ 2	3	2
Grey post,	0	3	$11\frac{1}{2}$									
												_
Carried forward	0	4	6 9	97	3	$3\frac{1}{2}$	Total			112	3 4	13
											-	-

## No. 2,284.—WINGATE, SOUTH.

### TOWNSHIP OF HUTTON HENRY, DURHAM.

Sheet 36 of Ordnance Map. Lat.

, Long.

Account of Strata sunk through from the bottom of the Sump, South Wingate Colliery. Commenced November 26th, 1844; finished February 21st, 1845.

Grey metal	1	1	0	Fs.	Ft.	In.	Brought forward 7 5 6 9 3 7
COAL	0	0	6	1	1	6	Blue stone 0 0 3 COAL 0 0 5
Thill stone Grey metal	0	$\frac{2}{2}$	0				8 0 2
Black metal Grey metal	2	0 4	2 6 3	*			Thill stone 0 1 0 Grey metal 2 0 0
White post girdle Blue metal, with iron-	0	0	9				Strong white post, with dark shivery partings 5 2 3
stone girdle	$\frac{1}{0}$	0	4 3				partings 5 2 3  Dark blue stone, with balls of ironstone 1 3 3
				5	4	3	White post, with blue metal partings and
Dark grey metal, with post girdles	2	3	6				strong white post 2 2 0 Strong grey metal
COAL	0	0	4	2	3	10	stone 0 1 0 Dark blue metal 1 1 0 Black stone 0 1 0
Grey metal	1	0	3				COAL 0 0 7
White post girdle Grey metal stone, with post girdle	0	ĭ 1					13 0 1
Whin and thin grey metal partings, white	o	1	U				
and grey post, with balls of brown	3	3	0				
G . 1.0			_			_	
Carried forward	7	5	6	9	3	7	Total 30 3 10

### No. 2,285.—WINLATON.

#### TOWNSHIP OF WINLATON, DURHAM.

Sheet 5 of Ordnance Map. Lat. , Long.

Account of Boring in the Third Place in Garerfield Ground, East of the Lane, in the Winlaton Lordship. November 28th, 1765.

Fig. Fig. 10, Fig. Fig. Fig. Fig. Fig. Fig. Fig. Fig.								
Sand	Coil and atmosp amon	Fs.	Ft.	In.	Fs.	Ft.	In.	
Sand 0 1 2 Strong clay 0 1 0 Brown and grey stone Brown and grey stone Brown and grey ramble, mixed with strong clay 1 4 8 Black metal 0 0 0 6 COAL 0 2 1  Grey metal 0 3 0 Brown thready post, and set away the water 0 2 0 Grey metal stone 1 3 5 COAL 0 0 1 7 Grey metal 0 0 3 0 Brown and grey post, with scamy partings 3 5 0 COAL 0 1 7 Grey metal 0 0 1 7 Grey metal stone 0 4 6 COAL 0 0 11 Grey metal stone 3 5 0 COAL 0 0 11 Grey metal stone 3 5 0 Grey metal stone 3 5 0 Grey metal stone 0 0 1 6 Grey metal stone 0 0 0 6 Grey metal stone and girdles or lumps 1 0 0 COAL 0 6 Hard brass lump or slate 0 1 COAL 0 6 Grey metal 0 1 COAL 0 6 Grey metal stone 0 1 Grey metal stone 0 1 Grey metal stone 0 1 Grey metal stone 0 0 1 6 Grey metal stone 0 0 0 6 Grey metal stone 0 0 0 6 Grey metal stone 0 0 0 6 Grey metal stone 0 0 0 6 Grey metal stone 0 0 0 6 Grey metal 0 0 0 6 Grey meta		3	4	6				
Strong clay       0   1   0	0 1							COAL, with
Strong and grey stone   Strong clay   1   4   8   8   8   8   8   8   8   8   8				-				
Brown and grey ramble, mixed with strong clay   1 4 8   8   Black metal   0 0 0 0 6   6   COAL   0 0 0 0 6   COAL   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		_	_	_				
ble, mixed with strong clay 1 4 8 Black metal 0 0 6 GCOAL 0 0 2 1 Grey metal 0 0 2 1 Grey metal 0 0 2 0 Grey metal stone 1 3 5 Grey metal 0 0 0 10 Bluck slate or jet, with mixture of coal 0 1 6 Blue grey metal 0 1 0 Bluck slate or jet, with mixture of coal 0 1 0 Bluck slate or jet, with mixture of coal 0 1 6 Blue grey metal 0 1 0 Bluck slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 0 Black slate or jet, with mixture of coal 0 1 0 0 0 0 0 0 0		_						0016
Black metal								
Grey metal          0         2         1         0         3         7           Brown thready post, and set away the water          0         2         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	strong clay	1	4	8				COAL, foul 0 5
Grey metal 0 3 0 6 3 7  Brown thready post, and set away the water 0 2 0  Grey metal stone 1 3 5 5  COAL 0 0 10  Grey metal 0 3 0  Brown and grey post, with scamy partings 3 5 0  Grey metal 1 3 0  Grey metal 1 3 0  Grey metal 1 3 0  Grey metal stone 3 2 9  Strong grey and brown post 0 0 0 6  COAL 0 0 0 6  Grey metal stone and girdles or lumps 1 0 0  COAL 2 6  Hard brass lump or slate 0 1  COAL 0 6  — 0 3 1  COAL		0		6				0 4 7
Strong grey and brown post   Strong grey and brown gridles or lumps   Strong grey and brown post   Strong grey and brown gridles or lumps   Strong grey and brown post   Strong grey metal stone   Strong grey metal stone   Strong grey metal stone   Strong grey metal   Strong grey metal stone   Strong grey metal   Stro	COAL	0	2	1				
Brown thready post, and set away the water 0 2 0 Grey metal stone 1 3 5 COAL 0 0 0 10 Grey metal 0 0 0 10 Blue metal 0 1 6 Blue grey metal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 1 0 Black slate or jet, with mixture of coal 0 2 6 Grey metal and metal stone 3 5 0 Grey metal 0 0 0 6 Grey metal stone 3 5 0 Grey metal stone 3 5 0 Grey metal stone 3 5 0 Grey metal stone 0 0 0 6 Grey metal stone 0 0 0 7 Grey metal stone 0 0 0 7 Grey metal stone 1 0 0 Grey metal 0 1 0 Grey metal stone 1 0 0 Grey metal 0 1 0 Grey metal 0 1 0 0 Grey metal 0 1 0 0 1 6 Grey metal 0 1 0 0 1 6 Grey metal 0 1 0 0 1 6 Grey metal 1 3 1 0 9 Grey metal				-	6	3	7	
and set away the water 0 2 0 Grey metal stone 1 3 5 COAL 0 0 0 10  Grey metal 0 3 0 Brown and grey post, with scamy partings 3 5 0 COAL 0 1 7 Grey metal 1 3 0 Grey post 0 4 6 COAL 0 0 11  Grey metal stone 3 2 9 Strong grey and brown post 1 0 0 COAL 0 0 6 Grey metal stone and girdles or lumps 1 0 0  COAL 2 6 Hard brass lump or slate 0 1 COAL 2 6 Hard brass lump or slate 0 1 COAL 0 6		0	3	0				
water         0       2       0         Grey metal stone        1       3       5         COAL         0       0       10         Brown and grey post, with scamy partings        3       5       0         COAL        0       1       7         Grey metal        1       3       5       0         Grey metal         0       1       7         Grey metal         0       1       7         Grey metal         0       0       6         Grey post         0       0       6         Grey metal stone        3       2       9         Strong grey and brown post         1       0       0         Grey metal stone and girdles or lumps        1       0       0       6         Grey metal stone and girdles or lumps        1       0       0       1       6         COAL        2       6       6       6       0<								
Grey metal stone 1 3 5 5	, ,	_	_	_				0 0 11
COAL 0 0 10  Grey metal 0 3 0  Brown and grey post, with scamy partings 3 5 0  COAL 0 1 7  Grey metal 1 3 0  Grey post 0 4 6  COAL 0 0 11  Grey metal stone 3 2 9  Strong grey and brown post 1 0 0  COAL 0 0 6  Grey metal stone and girdles or lumps 1 0 0  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  COAL 0 6  — 0 3 1  — 0 3 1  — 0 3 1  — 0 3 1  — 0 3 1  — 0 3 1  — 0 3 1  — 0 3 1  — 0 3 1  — 0 3 1  — 0 3 1  — 0 3 1		-						
Blue grey metal     0   1   0								Black slate or jet, with
Grey metal 0 3 0  Brown and grey post, with scamy partings 3 5 0  COAL 0 1 7  Grey metal 1 3 0  Grey post 0 4 6  COAL 0 0 11  Grey metal stone 3 2 9  Strong grey and brown post 1 0 0  COAL 0 0 6  Grey metal stone and girdles or lumps 1 0 0  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 0 6  — 0 3 1  — 1 3 1	COAL	O	U	10	ຄ	9	9	
Brown and grey post, with scamy partings 3 5 0 COAL 0 1 7 Grey metal 1 3 0 Grey metal 0 0 1 7 Grey metal stone 0 0 0 11 Strong grey and brown post 1 0 0 COAL 0 0 0 6 Grey metal stone and girdles or lumps 1 0 0 COAL 2 6 Hard brass lump or slate 0 1 COAL 0 6 Grey metal 0 1 COAL 0 6 Grey metal stone 0 3 6 Grey metal 0 2 COAL 1 10 Grey metal 0 2 Grey metal 0 1 Grey metal 0 0 1 6 Grey metal 0 1 Grey metal 0 1 0 1 Grey metal 0 1 1 3 Grey metal 0 1 3 1 Grey metal 0 2 Grey metal 0 2 Grey metal 0 1 Grey metal stone 0 1 Grey	Gray motal				4	3	ð	
with scamy partings 3 5 0 COAL 0 1 7 Grey metal 1 3 0 Grey post 0 4 6 COAL 0 0 11 Grey metal stone 3 2 9 Grey metal stone 3 2 9 Strong grey and brown post 1 0 0 COAL 0 0 6 Grey metal stone 0 3 6		U	J	U				
ings 3 5 0 COAL 0 1 7 Grey metal 1 3 0 Grey post 0 4 6 COAL 0 0 11  Grey metal stone 3 2 9 Strong grey and brown post 1 0 0 COAL 0 0 6 Grey metal stone and girdles or lumps 1 0 0  COAL 2 6 Hard brass lump or slate 0 1 COAL 2 6 Hard brass lump or slate 0 1 COAL 2 6 Hard brass lump or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump Or slate 0 1 COAL 2 6 Hard brass lump								
COAL 0 1 7  Grey metal 0 1 7  Grey metal 0 0 4 6  COAL 0 0 0 11  Grey metal stone 3 2 9  Strong grey and brown  post 1 0 0  COAL 0 0 0 6  Grey metal stone and girdles or lumps 1 0 0  COAL 2 6  Hard brass lump or slate 0 1  COAL 0 6  — 0 3 1  — 0 3 1  COAL 0 6  — 0 3 1  COAL 0 6  — 0 3 1  COAL 0 6  — 0 3 1		3	5	0				
Grey metal 1 3 0 0 Grey post 0 4 6 COAL 0 0 11  Grey metal stone 3 2 9 Strong grey and brown  post 1 0 0 COAL 0 0 0 6 Grey metal stone and girdles or lumps 1 0 0  COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump  or slate 0 1 COAL 2 6 Hard brass lump								111 111 0
Grey metal 1 3 0 Grey post 0 4 6 GOAL 0 0 11  Grey metal stone 3 2 9 Strong grey and brown post 1 0 0 0 6 GOAL 0 0 0 6 Grey metal stone and girdles or lumps 1 0 0 GOAL 1 10 0 Grey metal stone and girdles or lumps 1 0 0 GOAL 2 6 Hard brass lump or slate 0 1 COAL 0 6 Grey metal 0 1 COAL 0 6 Grey metal 0 0 7 Grey metal stone and girdles or lumps 1 3 1 Grey metal 0 0 1 6 Grey metal 0 0 1 6 Grey metal 0 1 COAL 1 3 1 1 0 9 Grey metal 0 1 COAL 1 3 1 1 0 9 Grey metal 0 1 COAL 1 3 1 1 0 9 Grey metal 0 1 COAL 1 3 1 1 0 9 Grey metal 0 1 COAL 1 3 1 1 0 9 Grey metal 0 1 COAL 1 3 1 1 0 9 Grey metal 0 1 COAL 1 3 1 1 0 9 Grey metal 0 1 COAL 1 3 1 1 0 9 Grey metal 0 1 COAL 1 3 1 1 0 9 Grey metal 0 1 COAL 0 1 COAL 1 3 1 1 0 9 Grey metal 0 1 COAL 0 1 COAL					4	3	7	
Grey post 0 4 6 COAL 0 0 11  Grey metal stone 3 2 9  Strong grey and brown post 1 0 0 COAL 1 0 0  Grey metal stone and girdles or lumps 1 0 0  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Grey metal 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1  COAL 2 6  Hard brass lump or slate 0 1	Grev metal	1	3	0	_	_	Ť	COAL 0 0 7
Grey metal stone 3 2 9  Strong grey and brown  post 1 0 0  COAL 0 0 6  Grey metal stone and girdles or lumps 1 0 0  COAL 2 6  Hard brass lump  or slate 0 1  COAL 0 6  — 0 3 1  — 0 3 1  Comin formula 1 3 1	Grey post	0	4	6				
Grey metal stone 3 2 9  Strong grey and brown post 1 0 0  COAL 1 0 0  Grey metal stone and girdles or lumps 1 0 0  COAL 2 6  Hard brass lump or slate 0 1  COAL 0 6  — 0 3 1  — 0 3 1  COAL 1 10  Grey metal 0 9 0 1 6	COAL	0	0	11				
Grey metal stone 3 2 9  Strong grey and brown post 1 0 0  COAL 1 10  Grey metal stone and girdles or lumps 1 0 0  COAL 2 6  Hard brass lump or slate 0 1  COAL 0 6  — 0 3 1  — 1 3 1					2	2	5	
Strong grey and brown  post 1 0 0  COAL 0 0 6  Grey metal stone and girdles or lumps 1 0 0  COAL 2 6  Hard brass lump or slate 0 1  COAL 0 6  — 0 3 1  — 0 3 1  Grey metal 0 2  COAL 1 10  Grey metal 0 2  Grey metal 0 1  Grey metal 0 2  The late and a 1 0 9  The late and a 10 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0		3	<b>2</b>	9				0041
Grey metal stone and girdles or lumps 1 0 0  COAL 2 6 Hard brass lump or slate 0 1  COAL 0 6  — 0 3 1  — 1 3 1		_						
Grey metal stone and girdles or lumps 1 0 0  COAL 2 6 Hard brass lump or slate 0 1 COAL 0 6	0.011	_	-	-				0.01
Grey metal stone and girdles or lumps 1 0 0  COAL 2 6 Hard brass lump or slate 0 1 COAL 0 6	COAL	0	0	6				0 3 3
girdles or lumps 1 0 0  COAL 2 6  Hard brass lump or slate 0 1  COAL 0 6	Communication of the second				4	3	3	
COAL 2 6  Hard brass lump  or slate 0 1  COAL 0 6	Grey metal stone and	7	^	^				Grey metal 0 1 6
COAL 2 6 Hard brass lump or slate 0 1 COAL 0 6			U	U				
Hard brass lump or slate 0 1 COAL 0 6	COAL							
or slate 0 1 COAL 0 6								
COAL 0 6 0 3 1 1 3 1								
	COAL							
		0	3	1				
Carried forward 22 1 2 Total 30 5 3		_			1	3	1	
Carried forward 22 1 2   Total 30 5 3								
	Carried for	wai	rd		22	1	2	Total 30 5 3
	-							

### No. 2,286.—WINLATON.

#### TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat.

Bored in the Third Place, about 160 yards North from the Second.

, Long.

Approximate surface level feet above sea (Ordnance datum).

Soil Strong stony clay Sand and gravel	0	1	0	Fs.	Ft.	In.	Brought forward 2 3 2 4 0 4 Blue and brown scamy metal 0 2 3
Strong stony clay Clay and gravel, mixed with coal	0	3	0				Brown and white post 0 0 3 Brown sandy stone 0 2 8 COAL 0 1 0
Brown elay Clay	_			4	0	4	Grey metal 0 3 8 COAL 0 3 8
Clay Sandy brown clay	1	3	6			notores.	In grey thill stone 1 1 4 0 0 8
Carried forward	2	3	2	4	0	4	Total <u>8 5 8</u>

Note.—Same as No. 1,978.

#### No. 2,287.—WINLATON.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Account of a Boring from the bottom of a Little Pit, Stone Coal, by Thomas Cheeseman and Partners, at 20s. per fathom. April 8th, 1828.

						1
-				Fs.	Ft. In.	Fs. Ft. In. Fs. Ft. In.
Box	. 1	3	0			Brought forward 3 4 9 6 0 10
Blue stone	. 1	4	0			Whin 0 2 0
COAL-5/4 Seam	. 0	3	8			Parting 0 0 1
· ·				3	4 8	Strong white post 0 2 6
Thill	. 0	3	6			Whin 0 1 2
Blue stone	. 0	3	2		-	Blue stone 0 2 11
Grey post parting	. 0	1	5			Whin 0 1 3
Blue stone	. 0	2	3			Blue stone and whin
Whin	. 0	0	3			girdles 2 4 3
Blue stone	. 0	1	0			Strong white post,
COAL-3/4 Seam		2	7			with whin 2 5 1
,				2	2 2	Soft white post 0 3 0
Thill	. 0	0	6			Blue stone 0 1 0
Blue stone	. 0	2	2			Strong white post 0 4 11
Parting	. 0	0	1			Blue stone 0 0 6
White post	. 0	1	6			Left off in strong
Blue stone and whi	a -					white post 0 5 2
girdles	. 3	0	6			13 2 7
Carried forward	3	4	9	6	0.10	Total 19 3 5
Carried forward	3	4	9	0	0 10	2000 111 111 20 0

## No. 2,288.—WINLATON.

#### TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat.

, Long.

Account of a Boring in the Broomy Hill Close, within 50 yards of the Old Road leading to Winlaton. July 10th, ——.

~ "			In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil and clay	0	2	6				Brought forward 18 4 8 9 0 0
Grey metal	0	3	0				Whin 0 1 7
COAL, soft, with							White and brown post 0 3 1
water	1	0	0				Grey metal 0 4 0
				1	5	6	Grey post 0 2 4
Soft grey metal	0	5	0				White and brown post,
COĂL	0	0	9				with water 0 5 4
				0	5	9	Bluegrey metal girdles 0 5 6
Grey thill	0	1	_3				COAL—Beaumont or
Grey stone, with							Towneley Seam 0 4 4
girdles	1	0	0				23 0 10
COAL	0	0	6				Grey metal 0 2 4
				1	1	9	COAL 0 1 6
Thill and water	0	1	6	-	-		0 3 10
Grey stone	4	-	10				Grey thill 0 0 6
COAL	0	1	8				Blue stone 0 3 0
	U	1	G	4	5	0 -	COAL, soft, with
Cuarthill and water	0	7		120	J	U	
Grey thill and water			6				
Grey stone	2	3	0				Dlack stars with 0 4 10
White and brown cash	0	T	6				Black stone, with
Brown post, set away		_	_				girdles 0 1 0
water	4	5	0				COAL 0 0 9
White and brown post	1	0	0				0 1 9
Blue grey metal	0	4	0				Grey thill 0 0 6
Blue grey metal, with							Strong grey stone 0 3 0
water	0	4	0				COAL 0 0 4
Grey stone girdle, with							0 3 10
water	2	3	6				Grey thill 0 0 6
Soft grey metal, with							White post and much
girdle	1	2	0				water 0 1 0
Grey stone, with water	0	5	0				Whin 0 1 4
Soft grey metal	1	0	0				White post 0 2 8
Grey post, with part-							Whin 0 0 7
ings	1	3	0				Grey metal girdle 1 1 4
White post, with water		5	Ö				Grey post girdle 0 3 8
Whin	ŏ	0	8				Whin 0 0 10
White post, with water		2	6				2 5 11
" Into post, with water			-0				2 3 11
Carried forward	18	4	8	9	0	0	Total 37 3 0
Carried for ward	10	-1	G	9	U	U	Total 37 3 0

## No. 2,289.—WITTON GILBERT.

## TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 48′ 2", Long. 1° 37′ 10".

Account of Boring at Sleight's House, near Witton Gilbert. Begun October 25th, 1838.

Approximate surface level 375 feet above sea (Ordnance datum).

							1
	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil	0	1	6				Brought forward 12 4 1 24 5 6
Yellow clay	0	1	6				Grey metal 0 1 0
T) 1	2	2	0				COAL
~ 3			_				
Gravel	0	1	6				12 5 4
Sand	0	2	0				Grey metal 0 0 11
Brown stony clay	0	5	0				Strong grey post 0 3 5
	ő	1	Õ				
Sand, with water			-				Grey post, with metal
Brown stony clay	3	0	0				partings 1 2 6
Sand	0	0	9				Dark grey metal 0 0 6
D / 1	3		11				COAL - Low Main
Leafy clay	0	- 2	5				Seam 0 2 10
Brown stony clay	4	0	0				2 4 2
Loamy sand	0	2	0				Grey metal 0 1 0
T) 1	ĭ	3	6				
Brown stony clay		U	U		^	-	
				17	0	1	Grey metal stone 1 0 6
Grey metal	0	2	0				Dark metal, scared
Dark metal, with coal	0	0	9				with coal 0 0 6
	ő	ĭ	3				Grey metal stone, with
COAL	U	Т	U	_		_	
				0	4	0	water 0 5 0
Grey metal	0	2	0				Strong grey post 0 3 0
Grey metal stone	2	1	8				Mild white post 0 2 4
	4	1.	U				
Dark grey metal,	_	_	_				
seared with coal	0	0	8				Strong white post 0 2 3
Grey metal stone	0	5	0				Grey metal stone 1 4 6
Brown post, with metal							Whin 0 0 4
			0				
partings	3	2	0				Grey metal stone 0 1 8
Grey metal	0	1	6				Ft. In.
COAL	0	0	7				COAL, coarse 0 11
				7	1	5	COAL, foul,
a	_	7	-	- 4	1	U	
Grey metal	0	1	3				mixed with
Brown post, with water	0	2	3				metal 0 9
Grey post, with water	0	2	5				0 1 8
* * * * * * * * * * * * * * * * * * * *	ĭ	0	ĭ				6 4 0
	T	U	r				
Dark metal, scared							Brown metal 0 5 0
with coal	0	1	0				COAL, foul 0 0 6
Strong grey post	1	0	0				0 5 6
Blue metal stone, with	_						0 1 1
	4=	0	-				
grey metal partings	4	0	7				COAL, foul 0 0 4
Strong grey post	0	1	6				0 1 10
Grey metal stone	1	1	6				Grey metal stone, with
701 1	ō	2	6				strong post girdles 0 3 6
Grey metal	0	5	0				Strong grey post 0 5 0
Grey post, with whin							Grey metal 0 2 0
girdle	0	1	6				COAL, foul 0 0 4
		3	0				1 4 10
Grey metal stone	0	9	U				
Strong grey post, with							Grey metal 0 3 0
metal partings	1	5	6				COAL, foul 0 1 1
1 0							0 4 1
0 110 1	10	4	1	0.4	~	C	Carried forward 50 5 3
Carried forward	12	4	1	24	5	Ģ	Carried forward 50 5 3

## No. 2,289.—WITTON GILBERT.—CONTINUED.

Brought forward	Fs.	Ft.			Ft. 5		Brought forward 6 1 4 50 5 3
Grey metal stone, with post girdles Strong grey post, with	1	2	0				Hutton Seam— Ft. In. COAL 2 4 Brassy metal
water Strong grey metal	2	0	6				band 0 4 COAL 2 6
stone and post girdle Strong white post, with	0	4	0				—— 0 5 2
water	0	3	0				7 0 6
Strong grey metal stone and post girdle	1	3	10				Brown metal 0 0 8
Carried forward	6	1	4	50	5	3	Total <u>58 0 5</u>

## No. 2,290.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of the Boring in the Stone Horse Park, to the Eastward from Witton Castle. 1756.

Soil and gravelly clay 1 5 0 Stony clay 1 1 0	)	Ft. I	In.	Brought forward Grey scamy metal, with some small		Ft.	In.	Fs. 7	Ft. 5	In. 6
Grey and brown				scares of coal	0	3	0			
rambly post 2 0 0	)			Grey metal stone	3	0	0			
Grey post 1 0 0	)			Grey metal stone COAL, foul	0	1	0			
COAL, foul Ft. In.								3	4	0
Grey scamy				Blue metal, mixed						
metal 0 2				with coal	0	0	6			
COAL, soft foul, with water 1 6				Grey and brown scamy metal, with post gir-						
0 2 0		_		dles and water	3	2	0			
0.00	- 3	2	0	Blue metal, scared						
Soft dun scamy metal 1 0 0	)			with coal						
Brown and grey metal	,			COAL	0	5	1		_	-
stone 0 1 6 COAL, foul 0 2 0				T				4	2 2	7
- 10ui 0 2 0	. 1	3	6	In grey metal				0	Z	U
	-		_					_		_
Carried forward	7	5	6	Total				16	2	1
•							=		-	

### No. 2,291.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Second Place bored near Witton Castle, about 200 yards to the North-east from the First. November 19th, 1756.

Approximate surface level feet above sea (Ordnance datum).

					-		1
				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil and stony clay	1		6				Brought forward 1 4 4 14 2 3
Gravel, with water		1					COAL, mixed
Soft stony clay	4	0	0				with black Ft. In.
Leafy clay	0	3	0				slaty metal 0 9
Sand, with a siping of							COAL, but
water	0	5	0				soft near the
	_			7	2	0	bottom 1 4
Brown ramble post,							0 2 1
with an open part-							2 0 5
ing and set away							Blue metal 0 0 7
the water	1	1	6				Grey metal 0 4 0
Blue and grey scamy							COAL 0 0 11
metal, with girdles							0 5 6
and catheads	5	3	0				Grey and blue metal
Blue and black metal							stone 0 0 10
COAL							Grey post, with water 1 2 0
OOAL			_	7	0	3	In strong white post,
Grey and blue metal	1	1	٥	•	v		mixed with whin 0 0 3
Black stone, with gir-	1		•				1 3 1
dles or lumps	0	9	4.				1 3 1
ules of lumps	U	3	4				
Carried forward	1	A	4	14	2	. 9	Total 18 5 3
Carried forward	1	4	4	14	4	0	10tal 18 5 3

## No. 2,292.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Third Place bored near Witton Castle, about 250 yards to the South-west from the First. December 16th, 1756.

Soil and stony clay Fs. F		Fs.	Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. In. 3 4 8
Soft broken post or					Soft grey metal 0 1 0
gravel, with water 0 3	6	3	0	6	Grey metal stone, with post girdles 3 0 0
Brown post, with small					In grey and blue metal, with black scames 1 3 6
scamy partings 0 2 Soft brown rambly	U				with black scames 1 3 6
stone 0 1 COAL, soft 0 0	6				1 1
COAL, soft 0 (	8	0	4	2	
Cl		-			Total 8 3 2
Carried forward		3	4	8	10001 0 5 2

## No. 2,293.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 41 of Orduance Map. Lat.

, Long.

Fourth Place bored near Witton Castle, about 100 yards to the South from the Third Place. March 21st, 1757.

F8	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In
Soil and clay 0 Broken post, with	0	U				Brought forward 12 1 6 Soft grey metal 0 4 6
water 1	1	0				Grey and blue metal
Soft grey and blue metal 0	1	0				and metal stone, with post girdles
Soft black metal,	1	U				and brown scamy
mixed with coal 0	1	0				partings 2 0 6
_			2	0	0	Black metal 1 0 0 Grey metal stone 0 4 6
Grey metal, with gir-						COAL, foul 0 1 8
dles 0	3					4 5 2
	0					
COAL, soft foul 0	1	U				Soft black metal 0 0 2 Grey scamy metal,
			0	5	0	with girdles or
Grey, brown, and blue					8	lumps 1 4 0
metal 2 Grey metal, scared	0	0				COAL 0 0 11
with coal 0	1	0				1 5 1
Grey and brown me-						Grey scamy metal 2 5 6
tal, with girdles or lumps 5	2	6				Strong white post 0 3 6
Black slaty metal 0		0				Blue metal, with post girdles and water 1 5 3
COAL, with a small piece of black slate						COAL, foul 0 1 2
at the bottom 0	1	3				5 3 5
_			8	1	9	Plane medal 0 1 C
			Ü	-		Blue metal 0 1 6 COAL, with
Grey metal, with girdles or lumps 0	3	0				some small
Ft. In.						black danty Ft. In. scames 1 9
COAL 3 6						COAL, with
Black danty metal 0 1						water 3 5
COAL 0 2						0 5 2
0	3	9				1 0 8
			1	0	9	In grey metal 0 2 0
Carried forwa	rd		12	1	6	Total 25 5 10

## No. 2,294.—WITTON PARK.

### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of Strata sunk through below the Main Coal Seam in the Corving Pit, Witton Park Colliery. 1832.

Approximate surface level

feet above sea (Ordnance datum).

	Fs.			Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. I	n.
Sill, with iron balls	0	5	0				Brought forward 8 0	2
Grey metal, with water	0	1	0				Sill stone 1 0 0	
White and brown post	2	2	0				Blue metal, with water 1 3 0	
Blue metal, with iron							COAL 0 0 8	
girdles	2	0	6					8
Post, with blue metal							Grey and blue metal 1 2 0	
partings and water	2	0	0				COAL 0 0 10	
Blue metal	0	3	6				1 2 1	0
COAL	0	0	2				Grey post 0 5	0
				8	0	2	U A	_
							Total bored below the	
Carried fo	rwai	rd		8	0	2	Main Coal Seam 12 5	8
					-	_		=

### No. 2,295.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM,

Sheet 42 of Ordnance Map. Lat.

Long.

Sunk at Witton Park, about 200 yards North of the William Pit.

Approximate surface level feet above sea (Ordnance datum).

inpproximate surrace tever	cet above sea (oranance autum).
Outset and walling Fs. Ft. In. Fs. Ft. In.	Brought forward Fs. Ft. In. Fs. Ft. In. 15 3 5
Grey metal 0 2 5	Grey metal 0 2 10 COAL—5/4 Seam 0 4 9
Greymetal band $0$ $5\frac{1}{2}$	Seggar clay 0 2 2
COAL $2   6\frac{1}{2}$ $0   3   8\frac{1}{2}$	Grey post, with metal partings 1 4 9 Grey and brown post 3 0 0
Dark grey metal, with $\frac{}{}$	Grey and brown post 3 0 0 COAL 0 1 6
large nodules 1 1 8 COAL 0 1 8½ 1 3 4½	Seggar clay, with no- dules 0 1 4
Timber $1 \ 1 \ 10\frac{1}{2}$	Brown post, with metal partings 1 3 8
COAL $0 \ 0 \ 3\frac{1}{2}$	Bed of nodules
Grey post, with grey metal partings 1 2 10	COAL 0 0 10 2 0 8
Whin, ironstone 0 2 2 Grey post 1 3 0	Grey metal, with no- dules of ironstone 2 5 7
Grey metal, with no- dules of ironstone 1 3 7	Post girdles, ironstone 0 0 6 Grey metal, with post
Black metal 0 3 2 COAL 0 0 9	girdles 1 1 11  Bed of nodules 0 0 2
Bastard post 0 1 7	Seam 0 5 8 5 1 10
COAL 0 1 1 0 2 8	5 1 10
Carried forward 15 3 5	Total <u>29 3 11</u>
	. У

## No. 2,296.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

Long.

An Account of Borings made at Witton Park Colliery, by Sir William Clayton, Bart. Commenced August 1st, 1834.

							•	
	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. I	
Old pit sunk to the				91	9	0		1
Brockwell Seam Rubbish	0	2	0	31	2	0	Blue post, with whin	
Thill, with iron balls	0	5	9				girdles, metal part-	
Dark grey metal	0	2	0				ings, and water 3 3 0 Blue metal, with grey	
White post, with part-	U	-	0				girdles 2 2 9	
ings	1	0	3				Strong grey metal, with	
Brown and grey metal,	-	Ŭ	•				blue metal partings 0 3 7	
with iron balls	2	3	6				Blue metal 0 2 3	
Grey post, with part-	_						Black metal 0 0 3	
ings	0	4	0				COAL, with 3 inches	
Grey metal, with post							of splint in middle 0 1 8	
girdles	1	3	9					3
Dark metal	0	1	5				Grey thill stone 0 2 7	
COAL	0	0	4				Blue metal, with iron	
			—	7	5	0	balls 0 3 5	
Light metal	0	5	2				Blue metal, with grey	
Dark metal, with iron							post girdles 3 1 6	
balls and water	2	1	0				Shivery white post 0 3 11	
Grey metal, with post	_	_					Blue metal, with grey	
girdles and water	0	5	8				girdles and water 2 1 8	
Dark metal stone	0	1	9				Dark metal 0 1 6	
COAL, mixed with	0	0	0				Mild white post 0 3 3	
stone	0	0	6		0		COAL, with water 0 0 7	_
Dark metal	_	9	0	4	2	1	1 ~	5
0041	0	$\frac{3}{1}$	5				Grey metal, with post	
COAL		т.		0	4	5	girdles 0 5 7     Bastard whin 0 1 1	
Grey post	0	4	11	U	T	U	Discount 1 0 0	
White post, with metal	O	-1	11				Dark metal 0 0 7	
partings and water	1	1	2				Whin stone 0 1 2	
Blue metal	Õ		10				White post 0 1 6	
Grey post	0	1	1				Shivery post 1 0 1	
Blue metal	0	2	8				Blue metal, with iron-	
Black metal, with							stone 2 0 3	
brown girdles	0	3	2				Shivery post 2 0 7	
Strong grey metal stone	1	3	5				White post, with water 10 1 3	
Black metal	0	0	4				Blue metal and grey	
Grey metal, with post							whin girdles 2 1 11	
girdles	0	3	3				Grey bastard whin	
White post, with metal	-						and water 4 2 0	
partings	1	5	6				Blue metal 0 1 6	
Black metal	0	1	0				Black and grey metal 1 0 5	
Mixture of slate and	0	0	4				Grey whin girdles 0 0 3	
D111-1	0	$0 \\ 1$	4 3				Blue metal 0 1 5	
COAL	0	1	8				Grey whin girdles 0 0 9	
COAL		T	-	8	1	7	Mild white post 11 4 9	
Thill stone	0	1	10	0	Т	1	Hard white post, with blue metal partings 1 0 0	
Blue metal, with white	~	*	10				blue metal partings 1 0 0  Blue and grey metal,	
post girdles	0	4	11				with girdles 0 5 11	
							0 0 11	
Carried forward	1	0	9	52	3	1	Carried forward 40 1 9 68 5	9

### No. 2,296.—WITTON PARK.—CONTINUED.

Fs. Ft. In. Fs. Ft. In. Brought forward 40 1 9 68 5 9	Fs. Ft. In. Fs. Ft. In Brought forward 57 5 10 68 5 9
Blue metal, with thin	Grey whin girdles 0 0 7
bands of iron 1 3 2	Mild white post 0 2 7
Whin and grey post	Mild white post 0 2 7 Strong white post 0 3 8
girdles, with blue	Light coloured with 0 1 0
	Light coloured metal 0 1 0 Strong blue metal 1 3 0
metal partings and	
water 3 2 0	Dark metal, mixed
Scamy white post, with	with foul scary coal 0 0 6
grey metal partings 0 5 9	<del></del>
Blue metal, with thin	Grey whin 0 2 4
girdles 2 0 1	White post, scared
Hard white post gir-	with metal 0 0 8
dles, with scamy grey	Hard white post girdles 0 1 7
metal partings 0 5 9	
	White post, scared
	with metal 0 0 5
Shivery grey and white	Hard bastard whin, with
post 0 5 6	blue metal partings 0 2 11
Blue and grey metal,	White post, mixed with
with bastard whin	whin, with water 3 5 1
girdles 4 0 0	Dark metal 0 1 3
Hard white post, with	Blue metal, with iron
water 1 2 11	bands and scared
Grey whin girdles 0 0 7	with coal 1 1 0
	6 3 3
Blue metal, with balls	0 5 5
of ironstone 1 1 8	
	- m
Carried forward 57 5 10 68 5 9	Total 136 2 2

### No. 2,297.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in the First Hole in the North-east corner of Quarry Field, in Witton Park Estate. October 31st, 1839.

Soil F	s. Ft.		Fs.	Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. In. 6 4 0
Saudy clay, with small	_					Grey and brown metal 1 0 10
stones 5	1	3				Brown post, with
Dark grey metal	0	3				water 2 4 0
COAL (	) 1	1				Brown metal 2 2 8
-			5	3	7	Brown post 0 4 2
Dark metal, scared						Brown metal 1 2 1
with coal (	) 1	4				Black metal 0 0 3
COAL, but will not						Dark metal 0 0 9
cinder-Main Coal		-				Grey and blue metal 1 0 11
Seam (	) 5	1	-4	^	_	Black metal 0 0 7 COAL 0 1 11
_		_	1	0	5	COAL 0 1 11 10 0 2
						10 0 2
			_		_	0 116 10 10 10
Carried forw	ard		6	4	0	Carried forward 16 4 2

### No. 2,297.—WITTON PARK.—CONTINUED.

Brought forward	Fs.	Ft.		Fs. 16			Fs. Ft. In. Fs. Ft. In Brought forward 6 0 4 19 2 0	~
White metal	0	5	8	10	-1	_	Grey post, with water 1 4 5	
Grey metal	$\frac{1}{0}$	3	5				Dark metal 0 2 7 COAL 0 0 6	
COAL			_	2	3	10 .	8 1 10	0
	2	0	0				Blue metal 0 1 9	
Brown post, with	_	0	_				COAL, rather Ft. In.	
	0						tender 1 8 COAL, foul 0 3	
White post							—— 0 1 11	
Blue metal	_	1					0 3 8	8
White post Dark metal	1		7				Grey metal, with post	ų,
Grey metal, with gir-	+	U	-				girdles 1 0	1
	1	4	2					
Carried forward	6	0	4	19	2	0	Total 29 1	7

### No. 2,298.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of Boring in the Second Hole in Witton Park Estate, about 280 yards from the First. December 9th, 1839.

	Fs. Ft. In 0 0 8 0 4		Brought forward Fs. Ft. In. Fs. Ft. In. Grey metal 0 1 10  Brown metal 0 - 1 11
Brown post Blue metal	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5 4	COAL 5 5
Brown metal stone			Grey metal 0 5 COAL, foul 1 6
Soft brown post (set away the water at		2	— 1 1 4
8 feet) Grey metal, with			Grey metal 0 0 8
girdles Dark metal	3 0 2	2 7	Grey metal 0 0 8
COAL	0 2	3 - 10 5 6	
Carried for	rward	11 4 6	Total <u>13 4 3</u>

#### No. 2,299.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Account of Boring in the Third Hole in Witton Park Estate. December 24th, 1839.

Approximate surface level feet above sea (Ordnance datum).

Clay and sand, with stones In whin tumbler				Fs. Ft. I 1 4 0 0	$\frac{3}{2}$			
	Total	•••	 	. •••	1	4	5	

### No. 2,300.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Strata bored through by the side of the Old Park Wall, in the South-east corner of Quarry Field, Witton Park Colliery. February 8th, 1842.

Brown soil	Fs, F		Fs.	Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. In. 9 3 0
Strong gravelly clay						Grey metal stone 1 1 9
Gravel, with water		0				COAL 0 1 0
Strong clay						1 2 9
COAL	0 (	) 4				Grey thill stone 0 1 6
			3	0	10	Dark blue metal stone 4 4 0
Strong clay, with						Grey and brown post,
tumblers	1 1	2				with blue metal
Grey metal stone	2 3	3 0				partings 2 0 0
Post girdle	0 1	Ó				Grey metal stone 0 4 6
Grey metal stone	0 8	8 0				Blue metal stone 0 3 6
Post girdle, with metal	0 .	, ,				COAL 0 1 0
partings	1 4	4 O				8 2 6
COAL	0	2 0				Blue metal stone 0 2 0
COAL	0 4	2 0	6	9	2	COAL — Main Coal
			U	2		Seam 0 5 3
						Death 0 5 5
						1 1 3
Carried for	b.com.		9	3	0	Tradal 80 0 0
Carried for	waru		9	0	U	Total 20 3 6

### No. 2,301.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 42 of Ordnance	Map.	Lat.	, Long.

Account of Five Borings made at Witton Park, to ascertain the level of the Seam and the Strata through which a Watercourse would be driven from the Southeast corner of the Estate. No. 1 Hole. March 16th, 1842.

Approximate surface level	feet above sea (Ordnance datum).
---------------------------	----------------------------------

Sandy clay Brown sand, with water Blue leafy clay	C	 •••		Fs. 0 0 0	4	9	Fs.	Ft.	In.	
	Total	 •••	•••				2	0	3	

### No. 2,302.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

No. 2 Hole, about 20 yards from the First.

Approximate surface level feet above sea (Ordnance datum).

Soil and clay Blue leafy clay Sand, with water	•••	*** ***	•••			1 0	9	Fs. 4	Ft.	In.	
		Total	•••	١	•••	•••		4	2	3	

### No. 2,303.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

No. 3 Hole, about 28 yards from the Second.

0.0						In.	Fs.	Ft.	In.	
Soil	 ***		 	0	1	0				
Sand and gravel	 		 	1	2	0				
Blue leafy clay	 		 	4	5	8				
Brown sand	 		 	0	0	10				
Stony clay	 		 	0	1	0				
Dry gravel	 		 	1	0	4				
Blue leafy clay	 		 	0	1	6				
							8	0	4	
	Total	414	 				8	0	4	

### No. 2,304.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

#### No. 4 Hole, 105 yards from the Third.

Approximate surface level feet above sea (Ordnance datum).

Soil Fs. Ft. In. Fs. Ft. In. Soil O 0 10	Brought forward 11 5 0
Sandy clay, with water 3 0 0 Blue stony clay 2 5 6 Brown leafy clay 1 4 0	Sand, mixed with coal and grey metal 1 1 9 Grey post 0 2 4
Dry sand and gravel       1       3       1         Brown sand        0       1       7         Stony clay        2       2       0	Whin 0 0 6 13 3 7
Carried forward 11 5 0	Total <u>13 3 7</u>

## No. 2,305.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

#### No. 5 Hole, about 200 yards from the Fourth.

Soil Sandy ramble, with water	Fs. Ft. In. Fs. Ft. In. 0 1 1	Brought forward 2 4 4 9 0 Grey metal 0 1 0 Grey post 0 5 3	
Strong clay	4 2 6	Grey metal 1 3 7	
Leafy clay	1 2 10	COAL - Main Coal	
Brown sand	0 0 9	Seam 0 5 6	
Strong blue clay	1 0 10	6 1	. 8
	8 2 0	Grev metal 1 0	3
	0 3 10	Grey metal 1 0	3
COAL			
	0 4 4		
Grey metal, with post			
	1 1 6		
Grey post	1 2 10		
Carried forward	2 4 4 9 0 4	Total 16 2	3

### No. 2,306.—WITTON PARK.

### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

Long.

Commenced Boring for Donald McNoel, Esq., Witton Park. No. 1 Hole. June, 1843.

Approximate surface level feet above sea (Ordnance datum).

Sand and water	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2 0 1	Brought forward 4 4 5 2 0 1  COAL, top, with water 0 1 8
Very soft grey metal A strong post girdle Grey metal Very dark grey metal	$\begin{array}{cccc} 0 & 0 & 11 \\ 0 & 4 & 0 \end{array}$		Band 0 0 8
Carried forward	4 4 5	2 0 1	Total <u>7 0 10</u>

#### No. 2,307.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

No. 2 Hole, for Donald McNoel, Esq., at Witton Park Colliery.

01 1 1 111 1 1 1 1 1 1 1 1 1 1 1 1 1 1				Fs. Ft. In		Ft.	In.
Clay, mixed with sand and water		***		2 5 9			
Dark grey metal				2 3 9			
COAL, top, with water				0 1 1			
					5	4	7
Band	•••		•••		0	0	7
m						_	_
Total	• • •	***	• • •	•••	5	5	2

### No. 2,308.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Commenced Boring for Mr. Sharp. No. 1 Borehole. July 9th, 1844.

Approximate surface level feet above sea (Ordnance datum).

Soil, sand, and clay A tumbling stone Sand	6 0 0	5 1 2	5 2 7	Ft.	In.	Broug Blue clay Dark grey Grey post	metal		8 0 1	4	8 6 6	Fs.	Ft.	In.
Brown freestone post, with water	0	5	6			Grey post	•••					10	3	8
Carried forward	8	2	8				Total	•••			=	10	3	8

## No. 2,309.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

#### No. 2 Borehole.

Soil, sand, and clay,	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 0 1 3 8 1 9
with water	1	0	0				Black metal or cannel
Blue clay							coal 0 0 4
Brown freestone post							Ft. In.
Blue clay	0	4	9				COAL, cannel 0 10
White post, with water	0	1	0				Grey metal 0 8
Dark grey metal and							COAL, good 4 0
iron girdles	1	0	6				COAL, coarse
	0	2	0				or splint 0 5
COAL, top	0	2	4				0 5 11
				8	1	9	1 1 6
Metal band							Grey metal 0 0 3
Whin girdle	0	0	8				
						_	0.26
Carried forward	0	1	3	8	1	9	Total 9 3 6

#### No. 2,310.—WITTON PARK.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Commenced Boring for Messrs. Sharp and Smith. No. 1 Hole. October 3rd, 1844.

Approximate surface level

feet above sea (Ordnance datum).

Soil, sand, and gra	velly c	elay	 	Fs. Ft. In. 5 2 0	Fs.	Ft.	In.	
COAL, bottom			 r • •	 0 3 11				
Metal thill			 	 0 0 3				
					6	0	2	
				-				
		Total	 	 	6	0	2	
				_				

### No. 2,311.—WITTON-LE-WEAR.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

An Account of Borings made for the Foundations for the Bishop Auckland and Weardale Railway Bridge, near Witton-le-Wear. First Hole, on the South side of the River Wear. May 2nd, 1839.

Dry sand			•••		 Fs.		In. 6	Fs.	Ft	. In	
Gravel Soft leafy clay	***	•••	•••	•••	 2	_	0				
Sand and gravel		•••	•••	•••	 ŏ	3	4				
							_	3	4	10	
		Total						3	4	10	

## No. 2,312.—WITTON-LE-WEAR.

TOWNSHIP	OF	WITTON	-TE-M	EAR,	DURHAM.
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TOWNSHIP OF WIT	TON-LI	E-WEAR,	DUR	нам.				
Sheet 34 of Ordnance Map.	Lat.	-	,	Long				
Second Hole, on the Se	outh sic	le of the	Rive	er We	ar.			
Approximate surface level		bove sea				tun	ı).	
Gravel Timber Sand and gravel Tumbler or post Total				Fs. Ft. 1 2 0 2 1 0 0 2	In. 0 8 5 3	Fs. 3	1 4 1 4	
No. 2,313.—W	ITTO	N-LE-	WE.	AR.				
TOWNSHIP OF WIT	TON-LE	-WEAR,	DURI	HAM.				
Sheet 34 of Ordnance Map.	Lat.		,	Long.			•	
First Hole, on the Nor	rth Sid	e of the	Rive	r Wee	ar.			
Approximate surface level		bove sea				tum	1).	
Gravel Sand and clay, very soft In sand		•••		Fs. Ft. 1 5 1 3 0 3	$\begin{array}{c} 0 \\ 4 \\ 6 \end{array}$		Ft In,	
Total	•••	•••		•••	=	3	5 10	
No. 2,314.—W								
Sheet 34 of Ordnance Map.	Lat.		L	ong.				
Second Hole, on the No	rth Sie	de of the	Riv	er We	ar.			
Approximate surface level		bove sea				tum	).	
Gravel			1 0				't. In.	
Total	•••		•••	•••	=	7 4	1	

### No. 2,315.—WOLSINGHAM.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat.

Long.

An Account of Borings made upon Wolsingham Moor for the use of Messrs. Pearsons, Wright, and Todd. First Place, about 70 yards North-west from the road leading from Cornsay to Wolsingham, and about 100 yards North-east from the corner of the stone wall entering into the lane at the first enclosure upon Towlay Hill, by Messrs. Joseph Jopling and Wm. Didsburn. June 4th, 1781.

CI 1				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Strong stony clay	3	3	10				Brought forward 1 0 0 9 5 0
Blue metal, with post	-	-	0				Blue grey metal, with
girdles	1	1	2				girdles 1 1 7
Grey post, with brown	_	_	_				COAL, foul 0 0 9
partings	0	b	2				2 2 4
White post, with brown	-	-					Grey metal 0 1 6
partings							Blue metal 0 3 9
Strong brown post	0	4	0				COAL, foul 0 0 4
Grey post, with part-	^						0 5 <b>7</b>
ings							Blue metal, with gir-
Black metal stone	0	1	U				dles 0 3 0
Grey post, with metal		0	_				Black stone, with
partings							scares of coal 0 5 7
Black stone	0	0	6				Grey post 0 2 8
COAL, foul, with	_	_	0				Black metal, with
water	U	0	6				girdles 4 3 6
				9	5	0	COAL, foul 0 0 4
Soft thill	0	1	6				6 3 1
Grey metal, with post	-	-	0				0 0 =
girdles	0	3	6				Soft metal 0 5 6
Whin		1	ő				In white post 0 1 6
		-	•				1 1 0
			_			_	
Carried forward	1	0	0	Q	5	0	Total 20 5 0
Carried forward	1	U	U	9	O	0	1 Otal 20 5 0

#### No. 2,316.—WOLSINGHAM.

#### TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 32 of Ordnance Map. Lat.

Long.

An Account of Boring in the Second Place, South from Wolsingham, about 60 yards

East of the road that leads from Wolsingham to Barnard Castle, and about 30

yards South from Blackburn, near St. John's, for the use of Messrs. Pearsons,
Wright, and Todd. December 11th, 1781.

Approximate surface level feet above sea (Ordnance datum).

Soil and clay Soft black stone	•••	$\frac{1}{0}$		6	Fs.	Ft.	In.	Brought forward 2 4 7 2 2 11 Brown post 0 4 9 Whin 0 4 6
Blue thill stone		1			2	2	11	Grey post girdles 1 2 3 Blue stone 0 1 2
Grey post girdles Whin Grey post girdles		0 0 1	1	0				Whin. 5 5 3
Carried forwa			4		2	2	11	Total 8 2 2

### No. 2,317.—WOODHORN.

TOWNSHIP OF WOODHORN, NORTHUMBERLAND.

Sheet 65 of Ordnance Map. Lat.

Long.

Account of a Borehole on Woodhorn Estate. Finished January, 1868.

Approximate surface level feet a

feet above sea (Ordnauce datum).

						Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Clay			0	5	0				Brought forward 21 ·2 4
Grey shale			1	2	0				Shale and shale stone 12 0 0
COAL			0	3	0				Black shale 0 0 8
						2	4	0	Grey shale 3 5 0
Shale			3	1	0				Shale, mixed with coal 0 1 0
Post			_	î	6				Dark shale 3 0 0
Shale			3	õ	ő				COAL 0 0 8 -
Post			2	2	0				19 1 4
Dark shale	•••	• • •	1	0	0				01.1
	•••	• • •	_	-	-				
Shale stone	***	• • •	5	1	0				Post 1 5 0
COAL	• • •	• • •	0	0	9				COAL 0 1 7
						18	0	3	7 0 7
Shale	•••		0	2	9				Shale, mixed with coal 0 3 0
COAL			0	1	4				Grev shale 3 3 0
						0	4	1	COAL 0 1 10
									4 1 10
	Carri	ed fo	orwa	ard		21	2	4	Carried forward 52 0 1

## No. 2,317.—WOODHORN.—CONTINUED.

TD . 1 . 0							
TO 1 4 4 -	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In
Brought forward				52	0		Brought forward 1 1 6 90 1 8
	4	2	0	-		_	
							0 1 2 2
Post	0	2	6				Grey shale 0 4 0
Whin	0	2	10				White post 1 1 0
Strong post	3	0	7				Shale 1 3 6
Dark grey shale	3	1					Black shale 0 0 4
	-0	_	•				COAL
COAL, rather							
tender the Ft. In							5 2 4
first 7 inches 2 4							Black shale 0 1 0
Black band 0 3							Grey shale 3 2 6
							D
	_						
proposed province	0	3	11				COAL 0 1 4
				12	0	10	5 2 10
Black stone, mixed							Grey shale 0 0 6
	0	1	-				
with coal	0		1				Post 0 3 0
Post	0	2	0				Grey shale 0 3 0
Shale	0	1	7				Dark shale girdles 1 5 6
Ft. In							COAL and shale 0 1 0
COAL 1 1							3 1 0
Shale 0 3							Dark shale 0 5 6
COAL 1 6							Post 0 3 0
	0	9	10				0041
	U	4	10				
				1	1	6	1 3 3
Dark grey shale	0	4	6				Grey shale 0 0 11
Post, with shale part-							Ft. In.
	2	2	0				COAL, foul 0 2
Grey shale	2	0	0				COAL, tender 1 5
Ft. In							0 1 7
COAL 0 10							0 2 6
Shale, with brass 0 3							0 11 0 710
COAL 1 5							COAL 0 0 8
	0	2	6				4 0 6
				5	3	0	Grey shale 1 0 0 Whin 0 0 10
Black shale	0	0	3	_	_	Ŭ	Whin 0 0 10
Grey shale	0	2	3				Grey shale, with girdles 3 0 2
Grey shale	1	3	9				COAL, strong 0 1 6
COAL — supposed							<del></del>
Variable Course	0	2	Ω				
Yard Seam	0	3	0	_			Into light grey shale.
				2	3	3	Grey shale 7 3 0
Yard Seam Grey shale	$\frac{0}{0}$	3	0 8	2	3	3	
Grey shale	0			2	3	3	Grey shale 7 3 0 Dark shale 0 1 0
Grey shale Post	0 3	1 5	8	2	3	3	Grey shale 7 3 0 Dark shale 0 1 0 COAL brassy 0 2 1
Grey shale Post Shale	0 3 2	1 5 1	8 0 6	2	3	3	Grey shale 7 3 0 Dark shale 0 1 0 COAL brassy 0 2 1
Grey shale Post Shale Whin	0 3 2 0	1 5 1 3	8 0 6 6	2	3	3	Grey shale 7 3 0 Dark shale 0 1 0 COAL brassy 0 2 1 Dark Shale 0 0 5
Grey shale Shale	0 3 2	1 5 1	8 0 6 6	2	3	3	Grey shale 7 3 0 Dark shale 0 1 0 COAL brassy 0 2 1 Dark Shale 0 0 5 Black slate and coal 0 0 2
Grey shale Shale	0 3 2 0	1 5 1 3	8 0 6 6	2	3	3	Grey shale 7 3 0 Dark shale 0 1 0 COAL brassy 0 2 1 Dark Shale 0 0 5 Black slate and coal 0 0 2
Grey shale Shale	0 3 2 0 3 1	1 5 1 3 5 0	8 0 6 6 0	2	3	3	Grey shale 7 3 0 Dark shale 0 1 0 COAL brassy 0 2 1  Dark Shale 0 0 5 Black slate and coal 0 0 2 Grey shale 1 1 0
Grey shale Shale	0 3 2 0 3	1 5 1 3 5	8 0 6 6 0 0 8				Grey shale 7 3 0 Dark shale 0 1 0 COAL brassy 0 2 1  Dark Shale 0 0 5 Black slate and coal 0 0 2 Grey shale 1 1 0 Post 0 3 0
Grey shale	0 3 2 0 3 1 0	1 5 1 3 5 0 0	8 0 6 6 0 0 8	2	3	3 4	Grey shale 7 3 0 Dark shale 0 1 0 COAL brassy 0 2 1  Dark Shale 0 0 5 Black slate and coal 0 0 2 Grey shale 1 1 0 Post 0 3 0 Post, mixed with whin 1 1 6
Grey shale	0 3 2 0 3 1 0	1 5 1 3 5 0 0	8 0 6 6 0 0 8				Grey shale        7       3       0         Dark shale        0       1       0         COAL       brassy        0       2       1         Dark Shale         0       0       5         Black slate and coal        0       0       2         Grey shale        1       1       0         Post         0       3       0         Post, mixed with whin       1       1       6         Shale         0       1       0
Grey shale	0 3 2 0 3 1 0	1 5 1 3 5 0 0	8 0 6 6 0 0 8				Grey shale 7 3 0 Dark shale 0 1 0 COAL brassy 0 2 1  Dark Shale 0 0 5 Black slate and coal 0 0 2 Grey shale 1 1 0 Post 0 3 0 Post, mixed with whin 1 1 6
Grey shale	0 3 2 0 3 1 0	1 5 1 3 5 0 0	8 0 6 6 0 0 8	11	5	4.	Grey shale        7       3       0         Dark shale        0       1       0         COAL       brassy        0       2       1         Dark Shale         0       0       5         Black slate and coal        0       0       2         Grey shale        1       1       0         Post         0       3       0         Post, mixed with whin       1       1       6         Shale         0       1       0         Post         0       3       0
Grey shale	0 3 2 0 3 1 0	1 5 1 3 5 0 0	8 0 6 6 0 0 8 - 0		5		Grey shale 7 3 0 Dark shale 0 1 0 COAL brassy 0 2 1  Dark Shale 0 0 5 Black slate and coal 0 0 2 Grey shale 1 1 0 Post 0 3 0 Post, mixed with whin 1 1 6 Shale 0 1 0 Post 0 3 0 Dark shale 4 1 6
Grey shale	0 3 2 0 3 1 0 2 0	1 5 1 3 5 0 0	8 0 6 6 0 0 8 - 0 10	11	5	4.	Grey shale        7       3       0         Dark shale        0       1       0         COAL       brassy        0       2       1         —       —        0       0       5         Black slate and coal        0       0       2         Grey shale        1       1       0         Post         0       3       0         Post, mixed with whin       1       1       6         Shale         0       1       0         Post         0       3       0         Dark shale        4       1       6         White post        0       1       6
Grey shale	0 3 2 0 3 1 0 2 0	1 5 1 3 5 0 0 0	8 0 6 6 0 0 8 - 0 10 - 6 9	11	5	4.	Grey shale        7       3       0         Dark shale        0       1       0         COAL       brassy        0       2       1         Dark Shale         0       0       5         Black slate and coal        0       0       2         Grey shale        1       1       0         Post        0       3       0         Post, mixed with whin       1       1       6         Shale        0       1       0         Post        0       3       0         Dark shale        4       1       6         White post        0       0       8
Grey shale	0 3 2 0 3 1 0 2 0	1 5 1 3 5 0 0	8 0 6 6 0 0 8 - 0 10	11	5	4.	Grey shale        7       3       0         Dark shale        0       1       0         COAL       brassy        0       2       1         —       —        0       0       5         Black slate and coal        0       0       2         Grey shale        1       1       0         Post         0       3       0         Post, mixed with whin       1       1       6         Shale         0       1       0         Post         0       3       0         Dark shale        4       1       6         White post        0       1       6
Grey shale Shale	0 3 2 0 3 1 0 2 0 0	1 5 1 3 5 0 0 1 0 5	8 0 6 6 0 0 8 8 — 0 10 — 6 9 3	11	5	4.	Grey shale        7       3       0         Dark shale        0       1       0         COAL brassy        0       2       1         Dark Shale        0       0       5         Black slate and coal        0       0       2         Grey shale        1       1       0         Post         0       3       0         Post         0       3       0         Dark shale        4       1       6         White post        0       1       6         Whin        0       0       8         Post         0       3       0
Grey shale Shale	0 3 2 0 3 1 0 2 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 5 1 3 5 0 0 1 0 5 0 0 5 0	8 0 6 6 0 0 8 0 10 6 9 3 6	11	5	4.	Grey shale 7 3 0 Dark shale 0 1 0 COAL brassy 0 2 1  Dark Shale 0 0 5 Black slate and coal 0 0 2 Grey shale 1 1 0 Post 0 3 0 Post, mixed with whin 1 1 6 Shale 0 1 0 Post 0 3 0 Dark shale 4 1 6 White post 0 1 6 Whin 0 0 8 Post 0 3 0 Whin 0 1 10
Grey shale Shale	0 3 2 0 3 1 0 2 0 0	1 5 1 3 5 0 0 1 0 5 0 0 5 0	8 0 6 6 0 0 8 8 — 0 10 — 6 9 3	11 2	5	4 10	Grey shale 7 3 0 Dark shale 0 1 0 COAL brassy 0 2 1  Dark Shale 0 0 5 Black slate and coal 0 0 2 Grey shale 1 1 0 Post 0 3 0 Post, mixed with whin 1 1 6 Shale 0 1 0 Post 0 3 0 Dark shale 4 1 6 White post 0 1 6 Whin 0 0 8 Post 0 3 0 Whin 0 1 10 Shale 2 5 0
Grey shale Post Shale Whin Post Shale COAL, foul  Grey shale COAL  Shale stone Whin girdle Shale stone Black shale COAL	0 3 2 0 3 1 0 2 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 5 1 3 5 0 0 1 0 5 0 0 5 0	8 0 6 6 0 0 8 0 10 6 9 3 6	11	5	4.	Grey shale        7       3       0         Dark shale        0       1       0         Dark Shale        0       0       5         Black slate and coal       0       0       2         Grey shale        1       1       0         Post        0       3       0         Post, mixed with whin       1       1       6         Shale        0       1       0         Post        0       3       0         Dark shale        4       1       6         Whin        0       0       8         Post        0       3       0         Whin        0       1       10         Shale        2       5       0         Black shale,mixed with
Grey shale Shale	0 3 2 0 3 1 0 2 0 0 1 0 0 0 0 0 0 0 0 0 0 0	1 5 1 3 5 0 0 1 0 5 0 0 5 0	8 0 6 6 0 0 8 - 0 10 - 6 9 3 6 10	11 2	5	4 10	Grey shale        7       3       0         Dark shale        0       1       0         COAL       brassy        0       2       1         Dark Shale         0       0       2         Grey shale        1       1       0         Post        0       3       0         Post, mixed with whin       1       1       6         Shale        0       1       0         Post        0       3       0         Dark shale        4       1       6         Whin        0       0       8         Post        0       0       8         Post        0       3       0         Whin        0       1       10         Shale        2       5       0         Black shale,mixed with        0       0       8
Grey shale	0 3 2 0 3 1 0 2 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 5 1 3 5 0 0 1 0 5 0 0 5 0	8 0 6 6 0 0 8 0 10 6 9 3 6	11 2	5	4 10	Grey shale
Grey shale	0 3 2 0 3 1 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 5 1 3 5 0 0 1 0 5 0 0	8 0 6 6 0 0 8 - 0 10 - 6 9 3 6 10	11 2	5	4 10	Grey shale
Grey shale	0 3 2 0 3 1 0 2 0 0 1 0 0 0 0 0 0 0 0 0 0 0	1 5 1 3 5 0 0 1 0 5 0 0 1	8 0 6 6 0 0 8 - 0 10 - 6 9 3 6 10	11 2	5	4 10	Grey shale
Grey shale	0 3 2 0 3 1 0 2 0 0 0 0 0 0 0	1 5 1 3 5 0 0 0 1 0 5 0 1 1 0 1	8 0 6 6 0 0 8 7 0 10 6 9 3 6 10 6 0 0 7 10 6 0 0 10 10 10 10 10 10 10 10 10 10 10 10	2	5 1 3	4 10 10 -	Grey shale
Grey shale	0 3 2 0 3 1 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 5 1 3 5 0 0 1 0 5 0 0	8 0 6 6 0 0 8 - 0 10 - 6 9 3 6 10	2	5	4 10	Grey shale
Grey shale	0 3 2 0 3 1 0 2 0 0 0 0 0 0 0	1 5 1 3 5 0 0 0 1 0 5 0 1 1 0 1	8 0 6 6 0 0 8 7 0 10 6 9 3 6 10 6 0 0 7 10 6 0 0 10 10 10 10 10 10 10 10 10 10 10 10	2	5 1 3	4 10 10 -	Grey shale

### No. 2,318.—WOODHORN.

#### TOWNSHIP OF WOODHORN, NORTHUMBERLAND.

Sheet 65 of Ordnance Map. Lat. , Long.

Account of Borehole No. 2 on the Woodhorn Estate. January 21st, 1868.

Approximate surface level feet above sea (Ordnance datum).

0.91 1 - 1			In.	Fs. 1	Ft. I	In.	Fs. Ft. In. Fs. Ft. In.
Soil and clay Post	0	4 5	0				Brought forward 73 3 7 Grey shale 2 0 0
	2	9	0				0001
	0	1	0				
with coal Grey shale	4	3	0				61-1-
D	11	3	0				COAL 0 9 10
Black shale and coal	0	0	6				
Grey shale	4	1	0				Grey shale 0 0 10
Shale, with post girdles	3	3	0				Blackshaleandfoul coal 0 2 4
Black shale and coal	0	0	8				Grey shale 3 2 6
Grey shale stone	4	2	6				Post 0 5 9
Ft. In.		_	0				Metal stone 2 3 10
COAL 1 1							Dark shale 0 4 6
Shale 0 6							Shale and coal 0 3 6
COAL and shale 0 9							Ft. In.
	0	2	4				COAL, good 4 3
				32	2	0	COAL, brassy 0 5
Grey shale	1	5	0				0, 4 8
COAL	0	0	6	_	_		9 3 11
a			_	1	5	6	Grey shale 0 1 1
Grey shale	3	0	6				Ft. In.
COAL	0	0	5	_	^	4.4	COAL 1 2
D1. 11			_	3	0	11	Shale and coal 0 6
Dark shale	3	4	0				COAL 0 10
Grey post	4	3	0				0 2 6
Shale	0	3	6				
COAL	0	1	5	0	ے	11	0.00
Stronggrammataletano	2	3	0	8	Э	11	——— 0 5 0
Stronggrey metalstone White post	1	1	0				0 0 0
C17 . 1 . 7 . 7	0	1	6				White post 0 4 6
O 1 1	2	1	6				Shale stone 0 4 9
COAL	0	0	7				White post 1 4 0
COAL				6	1	7	Shale 1 0 6
Grey post	3	3	0	0	_	•	COAL 0 2 2
Slate	3	5	0				5 1 5
COAL	0	ŏ	9				Dark shale 0 4 3
				7	2	9	White post 0 3 0
Grey shale	3	5	0				Grey shale 0 3 0
COAL	0	0	4				White post 2 2 6
				3	5	4	Shale stone 0 4 6
Shale	1	0	0				COAL, brassy the
· Post	0	3	0				last 2 inches 0 3 3
Black shale	5	1	6				5 2 6
Whin	0	1	6				Grey shale 0 4 8
Post	1	0	6				Post 1 1 6
Grey shale	0	3	0				Whin 0 3 8
Post	-0	3	0				Post 8 1 6
COAL (supposed							Whin 0 1 0
Yard Seam)	0	3	1			-	Into post: 0 1 0
				9	3	7	11 1 4
a		,		Fig.	0	jag.	Total 113 1 6
Carried for	rwai	rd		73	3	7	Total 113 1 6
							a 1 1 Ct 1 1 hattom we hitch

March, 1869.—This hole was lost, 70 fathoms of rods left in, beater bottom up, bitch, chisel, 18 inch piece, wilfully put in by some persons unknown.

## No. 2,319.—WOODHORN.

### TOWNSHIP OF WOODHORN, NORTHUMBERLAND.

Sheet 65 of Ordnance Map. Lat.

Long.

### Account of Borehole No. 3 on the Woodhorn Estate.

			-	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brown stony clay		4	0				Brought forward 42 1 8
Hard post		1	0				Shale and shale stone 2 5 0
Soft post	0	2	0				Whin 0 1 0
Shale stone	2	0	0				Shale stone 2 5 0
Dark shale	0	2	6				COAL Ft. In.
COAL	0	0	6				
				10	4	0	COAL, foul 1 4
G11.	1.	0	0				COAL 0 10
Grey shale	1-	0					0 4 7
Shale stone	1	1	0				——— 6 3 , <b>7</b>
COAL	0	1	6				Dark shale 0 2 0
				2	2	6	Shale stone 3 0 0
Grey shale	0	3	6				Grey post 2 2 0
Shale, mixed with coal		4	0				Shale stone 2 0 0
C19 9 1	2	2	9				Grey shale 0 1 4
TTTL 1	0	2	0				Ft. In.
CI I I I	1	2	9				COAL, strong 4 3
		_	_				COAL, foul 0 5
Grey and white post	_	4	0				0 4 8
COAL, foul	. 0	U	10				8 4 0
			-	12	1	10	Grey shale 0 0 8
Grey post	1	5	0				Hard black shale, with
Shale stone, with whin		U	0				. 7
	0	0	6				
girdles		3	-				COAL 0 0 9
Grey post	0		0				0 3 11
Shale stone	1	2	6				Grey shale stone 0 2 0
Whin	0	1	0				Black shale and coal 0 1 0
Dark shale, whin							Shale stone 4 0 6
girdles	2	0	9				Black shale 0 0 3
COAL	0	0	3				Ft. In.
				9	1	0	COAL 1 5
: C 1 -14	-1	0	0				Shale, mixed
Grey shale stone	1	0	0				with coal 0 8
Grey post	0	3	3				COAL 0 7
Whin	0	1	3				Shale, mixed
Grey post	1	2	4				with coal 0 5
Whin	0	1	6				COAL 0 4
Grey post	1	3	0				COAL, foul 0 5
Metal stone	2	0	0				— 0 3 10
Dark shale	0	1	4				5 1 7
Ft. In							Grey shale stone 1 3 0
COAL, strong 2 3							COAL, foul 0 1 0
Shale, mixed							1 4 0
with coal 0 3							Shale stone 1 0 0
COAL, tender 0 9							Ft. In.
COAL, foul 0 5							COAL, foul 0 4
	0	3	8				COAL, strong 3 1
	- 0	o	O	_			0 3 5
				7	4	4	1 3 5
Carried for	rward	d		42	1	8	Carried forward 66 4 2

### No. 2,319.—WOODHORN.—CONTINUED.

		Ft.	In. Fs. Ft. In	Fs. Ft. In. Fs. Ft. In.
Brought forward			66 4 2	Brought forward 13 1 6 66 4 2
Grey shale stone		0	0	Shale stone 0 3 6
				Hard-black stone, with
Whin		1		coal 0 0 9
Grey post	3	0	9	COAL 0 1 5
Coal pipes	0	0	3	14 1 2
White post	2	1	0	Dark metal 0 0 6
Whin	0	1	6	Into metal stone 1 4 0
White post	5	0	0	1 4 6
Whin	0	0	6	
Carried forward	13	1	6 66 4 2	Total 82 3 10

# No. 2,320.—WOODHOUSE.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38′ 14″, Long. 1° 41′ 45″.

Strata sunk through at Woodhouse Colliery (otherwise called Tindale Colliery). 1854.

Soil								
Strong blue clay         2         4         0           Grey metal, with post girdles         5         4         0           Blue metal, with post girdles         0         1         6           COAL         0         2         10           Strong thill         0         0         5         4           Whin girdles         0         0         3         6           Soft blue metal         2         0         0         4         0           Strong grey metal, with whin girdles         2         2         0         0         5           COAL         0         0         0         0         5         4         0         0         4         0         0         4         0         0         4         0         0         4         0         0         4         0         0         4         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	~				Fs.	Ft.	In.	
Grey metal, with post girdles         5         4         0         Splint or jet         0         3         0         2         0         Post girdles         0         2         0         4         Splint or jet         0         2         0         4         Splint or jet         0         2         0         4         Splint or jet         0         2         0         4         Strong girdles         0         2         0         4         Strong girdles         0         2         0         4         Strong girdles         0         2         3         7         Black metal         0         4         0         Soft blue metal         0         0         3         6         COAL         0         0         5         4         0         Soft blue metal         0         0         0         5         5         6         COAL         0         0         0         5         5         6         COAL         0         0         0         5         5         5         1         1         1         3         0         0         5         5         9         5         1         1         1         1         1         1         1				-				
Splint or jet   0 2 0		2	4	0				
Post girdles 0 0 1 6   Strong grey post, mixed with whin and partings 2 3 7   Black metal 0 4 0   Soft blue metal 2 0 0   Strong grey metal, with whin girdles 2 2 0   Strong grey metal, with whin girdles 3 3 0   Strong black metal, with whin girdles 3 3 0   Strong grey metal, with whin girdles 3 3 0   Strong grey metal, with whin girdles 3 3 0   Strong grey metal, with whin girdles 3 3 0   Strong grey metal, with whin girdles 3 3 0   Strong grey metal, with iron balls 3 0 0   Strong grey metal, with iron balls 3 0 0   Strong grey metal, with iron balls 3 0 0   Total 3 5 5 9								stone girdles 0 3 0
girdles          0         1         6           COAL          0         2         10           Strong thill          0         5         4           Whin girdles          0         0         3           Soft blue metal          2         0         0         4         0           Strong grey metal, with whin girdles         2         2         0         COAL          0         0         5           COAL          0         0         2         2         0         Splint          0         0         2           Strong black metal, with whin girdles         3         3         0         Strong grey metal, mixed with post         2         3         0         2         3         0         COAL          0         0         2         Strong grey metal, mixed with post          2         3         0         COAL          0         0         2         3         4         Fire clay          0         0         2         3         4           Thill           <		5	4	0				
COAL         0       2       10       9       2       4       Mixed with whin and partings       2       3       7         Strong thill        0       0       3       3       6       COAL       0       0       4       0         Strong grey metal, with whin girdles       2       2       0       2       0       2       0       5       11       1       10         Strong black metal, with whin girdles       3       3       0       2       2       0       2       3       0       0       2       3       0       0       2       3       0       0       2       3       0       0       2       3       0       0       2       3       0       0       2       3       0       0       2       3       0       0       2       3       0       0       2       3       0       0       2       3       0       0       2       3       0       0       2       3       0       0       2       3       0       0       2       3       0       0       2       3       0       0 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
Strong thill 0 5 4 Whin girdles 0 0 3 Soft blue metal 0 0 0 3 Strong grey metal, with whin girdles 2 2 0 0 COAL 0 0 0 2 Strong black metal, with whin girdles 3 3 0 COAL 0 0 0 8 Strong grey metal, with whin girdles 3 3 0 COAL 0 0 0 8 Strong grey metal, with whin girdles 3 3 0 COAL 0 0 0 8 Strong grey metal, with iron balls 0 0 3 0 Strong grey metal, with iron balls 3 0 0 COAL 0 0 1 6 COAL 0 0 1 6 COAL 0 0 1 6 COAL 0 0 4 10         Coarried forward 3 3 0 18 1 9       Total 3 7 Black metal 0 4 0 0 4 10 Soft blue metal 1 3 0 COAL 0 0 2 Strong grey metal, mixed with post 2 3 0 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 2 Strong blue metal 1 3 0 COAL 0 0 0 2 Strong blue 0 0 1 6 Strong blue 0 0 1 6 Strong blue 0 0 1 6 Stro								
Strong thill 0 5 4   Whin girdles 0 0 0 3   Soft blue metal 2 0 0 0   Soft blue metal 3 3 6   COAL 0 0 0 5   Strong grey metal, with whin girdles 2 2 0 0   Strong black metal, with whin girdles 3 3 0 0   Strong grey metal, with whin girdles 3 3 0 0   Strong grey metal, with whin girdles 3 3 0 0   Strong grey metal, with iron balls 0 3 0 0   Strong grey metal, with iron balls 3 0 0   Total 0 1 6   COAL 0 1 6   COAL 0 4 10   Soft blue metal 1 3 0   Strong grey metal, mixed with post 2 3 0   Strong blue metal 1 3 0   COAL 0 0 2   Strong blue metal 1 3 0   COAL 0 0 2   Strong blue metal 1 3 0   COAL 0 0 2   Strong blue metal 1 3 0   COAL 0 0 2   Strong blue metal 1 3 0   Strong blue metal	CÖAL	0	2	10				
Whin girdles          0         0         3         Soft blue metal          3         3         6         COAL          0         0         5         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         3         0         0         2         1         1         1         3         0         0         2         1         1         1         1         0         0         2         3         0         8         8         8         8         8         8         1         1         3         0         0         2         3         0         0         2         3         0         0         2         3         0					9	2	4	and partings 2 3 7
Soft blue metal         2         0         0         0         5         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         2         2         3         0         2         Strong grey metal, mixed with post	Strong thill	0	5	4				Black metal 0 4 0
Soft blue metal         2 0 0         COAL         0 0 5         11 1 10           Strong grey metal, with whin girdles         2 2 0         Strong thill         1 3 0         1 1 1 10           Strong black metal, with whin girdles         3 3 0         Strong grey metal, mixed with post         2 3 0         Strong thill         2 3 0           COAL         0 3 0         Strong grey metal, mixed with post         2 3 0         Strong blue metal         1 3 0           COAL         0 3 0         Strong blue metal         1 3 0         COAL         Strong blue metal         0 0 2           Strong grey metal, with iron balls         3 0 0         Strong blue metal         1 3 0         COAL         COAL         0 0 2           Strong blue metal         1 3 0         COAL         0 0 2         Strong blue metal         0 0 2         0 0 2           Strong blue metal         1 3 0         COAL         0 0 2         0 0 2         0 0 2           Strong grey metal, with post         0 0 0 2         0 0 0 2         0 0 0 2         0 0 0 2         0 0 0 2         0 0 0 2         0 0 0 0 2         0 0 0 0 2         0 0 0 0 0 0 0 0 0 0         0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Whin girdles	0	0	3				Soft blue metal 3 3 6
Strong black metal, with whin girdles         3 3 0 0 0         Strong black with whin girdles         Strong black metal, mixed with post 2 3 0 0 0         Strong grey metal, mixed with post 2 3 0 0 0         Strong blue metal 1 3 0 0 0 2         Strong dwith post 2 3 0 0 0         Strong blue metal 1 3 0 0 0 0 2         Strong blue metal 1 3 0 0 0 0 2         Strong blue metal 1 3 0 0 0 0 2         Strong blue metal 1 3 0 0 0 0 2         Strong blue metal 1 3 0 0 0 0 2         Strong blue metal 1 3 0 0 0 0 2         Strong blue metal 1 3 0 0 0 0 2         Strong blue metal 1 3 0 0 0 0 2         Strong blue metal 1 3 0 0 0 0 2         Strong blue metal 1 3 0 0 0 0 2         Strong blue metal 1 3 0 0 0 0 2         Strong blue metal 1 3 0 0 0 0 2         Strong blue metal 1 3 0 0 0 0 2         Strong blue metal 1 3 0 0 0 0 2         Strong blue metal 1 3 0 0 0 0 2         Strong blue metal 1 3 0 0 0 0 2         Strong blue metal 1 3 0 0 0 0 0 2         Strong blue metal 1 3 0 0 0 0 0 2         Strong blue metal 1 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Soft blue metal	2	0					
with whin girdles         2         2         0           COAL          0         0         2           Strong black metal, with whin girdles         3         3         0         2           Thill          0         0         8           Strong grey metal, mixed with post         2         3         0           COAL          0         0         2           Strong blue metal          1         3         0           COAL          0         0         2           Fire clay          0         1         6           COAL          0         3         4           Fire clay          0         3         4           COAL          0         3         4           COAL          0         3         4           COAL          0         3         4           COAL          0         1         6           COAL          0         3         4           COAL          0         3	Strong grey metal,							
Strong black metal, with whin girdles         3 3 0 0	with whin girdles	2	2	0				Strong thill 1 3 0
Strong black metal, with whin girdles         3 3 0 0 0 8         Strong grey metal, mixed with post 2 3 0 0 0 2 0 0 2           Thill 0 3 0 0 0 0 0 0 0 0 0 0 0 0	COAL	0	0	2				Splint 0 0 2
Strong black metal, with whin girdles COAL         3 3 0 0 8         3 3 0 0 0         Strong blue metal         2 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					5	1	9	Strong grey metal,
with whin girdles COAL       3 3 0 0 0 0 8 0 0 0 0 0 0 0 0 0 0 0 0 0	Strong black metal.							mixed with post 2 3 0
COAL         0       0       8         Thill         0       3       0         Strong grey metal, with iron balls        3       0       0         Carried forward       3       3       0       18       1       9            Total         35       5       9		3	3	0				Strong blue metal 1 3 0
Thill 0 3 0 Fire clay 0 1 6 Strong grey metal, with iron balls 3 0 0 Total 0 1 6 Total 3 5 5 9								COAL 0 0 2
Thill 0 3 0 Strong grey metal, with iron balls 3 0 0 Carried forward 3 3 0 18 1 9  Fire clay 0 1 6 COAL—Fard Seam 0 3 4 Total 35 5 9	33AL				3	3	8	5 3 4
Strong grey metal, with iron balls 2       3 0 0       Carried forward 3 3 0 18 1 9       COAL—Fard Seam 0 3 4 0 4 10 0 4 10 0 0 0 0 0 0 0 0 0 0 0 0	721511	0	3	0		Ŭ	Ŭ	Fire clay 0 1 6
with iron balls 3 0 0  Carried forward 3 3 0 18 1 9  Total 35 5 9			0	•				
Carried forward 3 3 0 18 1 9 Total 35 5 9	with iron balls	2	0	٥				
Carried forward 5 5 0 16 1 5	with from balls		-0					
Carried for ward 0 0 10 1 0	Carried forward	2	3	0	18	1	9	Total 35 5 9
A A	Carried forward	J	J	U	10	1	J	
								AA

### No. 2,321.—WOODHOUSE CLOSE.

TOWNSHIP OF ST. ANDREW'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

Long.

Account of Boring made at Woodhouse Close Colliery, West Auckland.

Approximate surface level feet above sea (Ordnance datum).

D1				Fs. F	t. In.	Fs. Ft. In. Fs. Ft. In. Brought forward 17 2 5
Blue metal	1	5	$\begin{array}{c} 0 \\ 10 \end{array}$			D1 1 0 4 0
D	0	2	0			733
TO 1.1	0	0	0			DI 1 4
D	0	1	8			T01 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Dl4-1	0	5	6			D
Blue metal	-	<b>a</b>	0			D4
Post	0	3	-			100
Blue metal	0		0			111 2 0 0
Brown metal	0	5	0			COAL, foul 0 0 4
Blue metal	2	2	6			22 0 3
Post	0	0	5			Grey stone 0 0 6
Post shiver	0	5	0			Post 0 2 0
Blue metal	0	3	0			Whin 0 1 0
Black metal	0	1	0			Post 0 2 0
Brown metal	0	5	8			Blue metal 0 3 0
Post	0	4	3			Blue slates 0 3 0
Blue metal post stone	0	0	9			COAL, foul 0 0 5
Post	0	1	3			1 5 11
Blue metal post stone	0	0	9			Black stone 0 0 10
Blue metal	1	0	7			Grey post 1 0 0
Black metal (water						White post 0 0 9
goes off)	0	0	3			Blue metal post stone 0 0 5
Grey stone	0	4	7			White post (water goes
Blue metal	0	1	9			off) 1 0 2
Grey stone	0	1	8			Grey post 0 1 8
Blue metal	0	1	3			Black stone and strong
Post	0	2	3			cover 1 0 0
Blue metal	1	0	0			COAL and clean water 0 5 2
Brown metal	0	2	6			4 3 0
Carried forward	17	2	5			Total 28 3 2
Ourried Lor ward		_	0			20 0 2

# No. 2,322.—WOODHOUSE CLÔSE.

TOWNSHIP OF ST. ANDREW'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.  $54^{\circ}$  38' 55'', Long.  $1^{\circ}$  41' 11''.

Strata sunk through in the North or Engine Pit at Woodhouse Close Colliery. Begun to sink June 2nd, 1835.

Ontact	Ft. In.		t. In. 4 0	Brought forward			In. Fs.	
~ **		4 4	¥ 0				12	4 11
	1 3			Grey thill	0	1	6	
Strong brown clay 2	5 6			Grey post, with water	0	0	9	
Dry gravel and sand 1	0 9			Blue metal	3	0	0	
Strong blue clay 1	4 3			Grey post girdle (55				
Brown broken post 2	2 3			gallons of water per				
Dark metal, with water 0				minute)	0	0	5 <del>1</del>	
Grey metalstone, jointy 1	1 11			Blue metal		1	0	
COAL 0	0 3			Coarse grey post girdle	0	0	7	
		10 (	0 11	Blue metal	0	0	$1\frac{1}{2}$	
Carried forwar	d	12	4 11	Carried forward	3	4	5 12	4 11

# No. 2,322.—WOODHOUSE CLOSE.—CONTINUED.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 3 4 5 12 4 11 Grev post 0 0 11	Brought forward 43 1 10
	Thill, mixed with iron- stone balls 0 4 0
Metal, seared with post 0 1 4 Dark metal 0 0 9 1	stone balls 0 4 0 Strong grey metal,
Grey post girdle 0 1 $0\frac{1}{2}$	with ironstone balls 0 4 0
Blue metal 0 1 6	COAL, splint, bad 0 1 0
Ft. In.	1 3 0
COAL, splint 0 3	Grey metal, with post
Band 0 9	girdles 0 4 0
COAL 0 1	Black stone 0 1 5
0 1 1	COAL, soft 0 0 7
4 5 1	1 0 0
Thill, broken with gul-	Sound good thill (a
lets, 11 in. thill, to	ring criblaid in here) 0 1 6
bottom of crib 8 in. 0 1 7 Grev post 0 2 5	Blue metal, with large
71 (1 0 41	iron balls 5 2 0
	Fine black stone 0 4 0
White post girdles 0 1 5 Blue metal 1 0 10	Strong rough thill,
Grey post 0 1 6	mixed with iron- stone balls 0 2 0
Dark blue metal 4 1 0	Score Starter
COAL 0 0 0 0	Strong white post girdles, with metal
6 3 2	partings 2 1 0
Fine close thill (a ring	COAL, good 0 1 10
crib laid 8 ins. into	9 0 4
it, remainder of thill	Thill 0 1 8
1 fathom) 1 0 8	Strong rough white \ 6 3 2 **
Grey metal, with iron-	post 0 3 10
stone balls scared	Ft. In,
with post 1 0 0	COAL, good 0 8
Coarse grey whin girdle 0 1 2	Band 0 1
Strong post girdles, with metal partings 3 3 0	COAL 0 2 0 0 11
with metal partings 3 3 0 White post, with metal	7 3 7
partings 2 3 0	
Yard Coal Seam—	Grey thill (king crib laid in here) 0 1 2
COAL, top, Ft In.	Blue metal 1 3 7
good 2 10	Strong whin girdle 0 0 7
good 2 10 Band 0 3	Blue metal 0 0 8
COAL, bot-	COAL 006
tom, tender 1 2	2 0 6
0 4 3	Fine grey thill 0 4 0
9 0 1	Strong grey post gir-
Strong blue metal 1 5 0	dles 0 3 0
Coal parting 0 0 2 Soft thill 1 0 0	Strong blue metal, with ironstone girdles 2 0 0
NOZU DILIZZ	Tronstone grades
Strong grey metal and	COAL, good 0 1 0 3 2 0
post girdles, with water 4 1 0	
Note.—Cistern stands	Daik billi, like a salia
upon white post gir-	Grey post, with metal
dles, which carries	partings
set of pumps.	Strong grey metal
	Rlack stone 0 0 3
Strong white post 2 4 0	Diack stolic
COAL, coarse 0 6	Ramble 0 0 3
COAL, coarse 0 6 Band 0 3	Ramble 0 0 3 COAL, good—Main
COAL, coarse 0 6 Band 0 3 COAL, good 1 8	Ramble 0 0 3 COAL, good—Main
COAL, coarse 0 6 Band 0 3 COAL, good 1 8 0 2 5	Ramble 0 0 3  COAL, good—Main  Coal Seam 0 4 7
COAL, coarse 0 6 Band 0 3 COAL, good 1 8	Ramble 0 0 3  COAL, good—Main Coal Seam 0 4 7
COAL, coarse 0 6 Band 0 3 COAL, good 1 8 0 2 5	Ramble 0 0 3  COAL, good—Main  Coal Seam 0 4 7

Depth is really 76 fathoms 1 foot.

^{*} Approximate sea level (Ordnance datum).

# No. 2,323.—WOODHOUSE CLOSE.

TOWNSHIP OF ST. ANDREW'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

Long.

An Account of the Strata sunk through in the South Pit at Woodhouse Close Colliery. Recommenced December 2nd, 1850.

Fs. Ft. In. Fs. Ft. I	n. Fs. Ft. In. Fs. Ft. In.
Sunk formerly, $12\frac{1}{2}$	Brought forward 12 5 $1\frac{1}{2}$ 17 5 4
feet pit from level	Yard Coal Seam—
of settleboards, in-	Ft. In.
cluding outset 15 4 2	COAL, top 1 8
Grey metal, with post	Band 0 5
girdles 1 0 0	COAL, bot-
girdle 0 2 2	0 3 3
Dark blue metal 0 0 10	$13 2 4\frac{1}{2}$
Strong grey post 0 1 3	Soft thill stone 2 0 6
Dark grey metal 0 1 8	Strong grey metal,
COAL, splint 0 0 4	with ironstone balls 4 0 11
17 4	
	with post girdles 0 4 4
Thill stone 0 0 10	
COAL, good 0 0 1	Strong white post, with water 2 3 8
0 0 1	
D 111 /1 0 0 0	Ft. In.
	COAL, soft 0 10
Strong grey metal 0 1 3	Band 0 5
Soft blue metal 0 0 4½	COAL, bottom 1 8
White post $0 \ 0 \ 1\frac{1}{2}$	0 2 11
Strong grey metal,	10 0 4
scared with post 0 1 9\frac{1}{2}	Thill, mixed with iron-
Grey metal (pit only	
$8\frac{1}{3}$ feet from here) 0 1 5	stone balls 0 4 0
Strong grey post 0 0 6	Grey metal, with post
Strong grey metal,	girdles 1 0 4
	COAL, splint 0 0 $4\frac{1}{2}$
	$$ 1 4 $8\frac{1}{2}$
Strong coarse grey	Grey metal 0 2 6
post 0 1 5	White post girdle
Dark blue metal, with	
ironstone balls (ring	(ring here) 0 4 0 Thill stone 0 1 1
near top of metal) 2 5 2	
Soft white thill 0 0 2	COAL, soft (one $2\frac{1}{2}$
Dark blue metal, with	feet length of tim-
iroustone balls 1 1 7	ber, one crib) 0 0 5
Fine close thill, with	1 2 0
ironstone balls 1 0 2	Hard thill 0 4 0
Grey metal, with iron-	Blue metal, mixed with
	large ironstone balls,
Grey metal, with grey	walling commences
whin balls 1 1 0	3 ft. 1 in. from top 4 5 0
Strong grey metal,	Fine black stone 0 2 6
scared with post 2 0 0	Strong rough thill,
Strong whin post, with	mixed with iron-
metal partings 1 0 6	stone balls 0 3 0
Coming forward 19 5 11 17 5	1 0 0 0 11 0 0 0
Carried forward 12 5 $1\frac{1}{2}$ 17 5	4   Carried forward 6 2 6 44 2 9

# No. 2,323.—WOODHOUSE CLOSE.—CONTINUED.

Brought forward Strong post, mixed with ironstone gir-					Ft. 2		Brought forward Fs. Ft. In. Fs. Ft. In. Strong grey metal, with ironstone gir-
dles and metal							dles 0 4 6
partings Strong white post	2	4	0				Blue metal 0 1 0
							COAL (sunk through
COAL, strong	0	1	8		-	0	July 4th, 1851) 0 0 6
701-:11		7		11	T	2	2 2 6
Thill Strong rough white	U	1	U				Thill 0 3 0
post	7	1.	0				Strong grey metal 1 1 0 Blue metal 1 3 0
Ft. In.	•	-30	0				COAL 0 1 0
COAL 0 7							3 2 0
Band 0 3							Dark thill 0 2 6
COAL 0 2							Strong white post 3 3 6
	0	1	0				Strong grey metal 1 4 0
			_	8	0	0	COAL-Main Coal
Thill	0	1	6				Seam 0 4 9
Blue metal	1	1	0				6 <b>2</b> 9
	_	_	_				
Carried forward	1	2	6	63	3	11	Total 75 5 2

# No. 2,324.—WOODHOUSE CLOSE.

TOWNSHIP OF BISHOP AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 39′ 31″, Long. 1° 41′ 15″.

Strata bored through in the South-east corner of the Field to the South-east of West Mill Dam, by Mr. W. Coulson. July, 1857.

				Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil						Brought forward 5 5 8 15 1 9
Gravel	1	0 0				The T-
Blue clay	9	0 0				COAL 0 6
Gravel, with water	1	0 0				Dark grey me-
Quicksand, with water						tal band 0 10
Dark loamy sand,						
mixed with coal		5 0				COAL 2 6
Sand and gravel, with						0 3 10
water	1 1	1 10				6 3 6
Grey metal		4 11				Grev metal thill 0 4 0
COAL, with danty						Grey metal thill 0 4 0 Light grey metal 1 3 9
partings	0	1 0		_		Grey metal 0 1 6
			15	1	9	COAL, with black
Black metal, with coal						slate partings $0 2 6\frac{1}{2}$
pipes	0	2 0				state partings 0 2 05
Grey metal, with post						2 9 95
girdles		3 8				Into grey metal thill $\begin{array}{c c} & & & & & & & & & & & & & & & \\ & & & & & & & & & & & & & \\ & & & & & & & & & & & & \\ & & & & & & & & & & & \\ & & & & & & & & & & \\ & & & & & & & & & & \\ & & & & & & & & & \\ & & & & & & & & & \\ & & & & & & & & \\ & & & & & & & & \\ & & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & \\ & & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ &$
8						
Carried forward	5	5 8	15	1	9	Total 25 1 6½
Carried for ward	9	0	10	-		

#### No. 2,325.—WOODHOUSE CLOSE.

TOWNSHIP OF ST. ANDREW'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

Long.

Strata bored through in No. 1 Hole, 2,310 links South 72\frac{1}{2} West of South Pit, Woodhouse Close Colliery, by Mr. William Coulson, jun. Commenced July 24th, 1861; finished September 12th, 1861.

Fee Ft. In. Fee Ft. In.   Fe														
Brown stony clay     1   0   8	•			In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soft gravel, with a little water     0   1   0   0   1   0   0   0   0   0	Soil	0	0	10				Brought forward	16	1	4	5	1	8
Strong proves metal, with scarces of coal	Brown stony clay	1	0	8				Dark grey metal, very						
Strong proves metal, with scarces of coal	Soft gravel, with a							dark the last foot	0	5	8			
Brown clay		0	1	0										
Blue stony clay									1	3	10			
Soft jointy metal, with small balls of ironstone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .							•			0	10			
Strong brown metal, with balls of ironstone		U	2	U					٥	Λ	0			
Strong brown metal, with balls of ironstone									_					
Strong brown metal, with balls of ironstone		-	0						U	4	4			
Strong grey post 0 1 3   Grey metal, with post gridles 0 1 0 1 0	and the second second	T	Z	3					_	_	_			
Stone       0   2   0   0   0   0   0   0   0   0														
Grey post 0 2 6 Blue metal 1 0 10  COAL, slaty, with water 0 0 5  Black metal 0 1 4  Grey metal 0 1 4  Grey metal 0 1 2  Grey post 0 2 2  Grey post 0 2 2 2  Grey metal thill 0 5 9  Dark grey metal 0 1 0  White post, with metal partings 0 4 2  Brown post, with water 0 3 0  White post, with water 1 2 10  Dark grey metal 0 3 3  Grey metal, with post girdles 0 4 0  Strong grey post 0 1 9  Grey metal 0 4 0  Strong grey post 0 1 9  Grey metal 0 4 0  Strong grey post, very hard 0 4 0  Strong grey post, very hard 0 4 6  Grey metal, with post girdles 0 4 6  Grey metal, with post girdles 0 4 6  Grey metal, with post girdles 0 4 6  Grey metal 0 4 0  Strong grey post 0 1 9  Grey metal, with post girdles 0 4 0  Strong grey post, very hard 0 4 6  Grey metal, with post girdles 0 4 6  Grey metal, with post girdles 0 4 0  Strong grey post, very hard 0 4 6  Grey metal, with post girdles 0 4 1  Into dark grey metal 0 4 1  Into dark grey metal 0 1 4½  Into dark grey metal 0 1 4 4  Into dark grey metal 0 1 4 4  Into dark grey metal 0 1 4 4  Into da	with balls of iron-							Strong grey post	0	1	3			
Grey post 0 2 6 Blue metal 1 0 10  COAL, slaty, with water 0 0 5  Black metal 0 1 4  Grey metal 0 1 4  Grey metal 0 1 2  Grey post 0 2 2  Grey post 0 2 2 2  Grey metal thill 0 5 9  Dark grey metal 0 1 0  White post, with metal partings 0 4 2  Brown post, with water 0 3 0  White post, with water 1 2 10  Dark grey metal 0 3 3  Grey metal, with post girdles 0 4 0  Strong grey post 0 1 9  Grey metal 0 4 0  Strong grey post 0 1 9  Grey metal 0 4 0  Strong grey post, very hard 0 4 0  Strong grey post, very hard 0 4 6  Grey metal, with post girdles 0 4 6  Grey metal, with post girdles 0 4 6  Grey metal, with post girdles 0 4 6  Grey metal 0 4 0  Strong grey post 0 1 9  Grey metal, with post girdles 0 4 0  Strong grey post, very hard 0 4 6  Grey metal, with post girdles 0 4 6  Grey metal, with post girdles 0 4 0  Strong grey post, very hard 0 4 6  Grey metal, with post girdles 0 4 1  Into dark grey metal 0 4 1  Into dark grey metal 0 1 4½  Into dark grey metal 0 1 4 4  Into dark grey metal 0 1 4 4  Into dark grey metal 0 1 4 4  Into da	stone	0	2	0				Grey metal, with post						
Blue metal   1   0   10   10   10   10   1	Grev post	0	2	6					3	2	9			
COAL, slaty, with water		1	0	10										
Strong grey post									0	1	3			
Black metal 0		0	0	5						-				
Black metal 0	mater			0	5	1	8		9	5	Q			
Scares of coal     0   0   1   2	D11 4-1	_	1	4	o	т	0		4	9	0			
Grey post 0 2 2 2   Grey metal thill 0 5 9		_							^	^	0			
Mild white post, with metal partings   1   1   0		_							_					
Dark grey metal, with scares of coal     0   0   6		0							0	4	8			
Grey metal     0   0   6	Grey metal thill	0	5	9				Mild white post, with						
Grey metal     0   0   6	Dark grey metal, with							metal partings	1	1	0			
Stone balls		0	0	6				Grey metal, with iron-						
White post, with metal partings 0 4 2 Brown post, with water 0 3 0 White post, with water 1 2 10 Dark grey metal 0 3 3 Grey metal, with post girdles 2 2 11 Dark grey metal 0 4 0 Strong grey post, very hard 0 2 4 Dark grey metal 0 4 6 Grey metal, with post girdles 0 5 4 Strong white post 1 2 0 Dark grey metal 0 4 6 Grey metal, with post girdles 0 5 4 Strong white post 1 2 0 Dark grey metal 0 4 6 Grey metal, with post girdles 0 5 4 Strong white post 1 2 0 Dark grey metal, with balls of ironstone 2 1 9 Grey metal, with ironstone girdles 0 5 3				0					1	2	0			
Dark grey metal		_	_					White post	1					
Brown post, with water   0   3   0		Ω	4.	9										
White post, with water Dark grey metal 0 3 3 3														
Dark grey metal Grey metal, with post girdles 2 2 11         2 2 11           Dark grey metal 1 0 4         2 2 11           Strong grey post 0 1 9         3 3           Grey metal 0 4 0         5 5 4           Strong grey post, very hard 0 0 2 4         5 6 8           Dark grey metal 0 4 6         6 9 9           Grey metal, with post girdles 0 5 4         5 5 4           Strong white post 1 2 0         5 5 4           Dark grey metal, with balls of ironstone 2 1 9         5 4           Grey metal, with ironstone girdles 0 5 3         5 4           Grey metal, with ironstone girdles 0 5 3         5 3								COAL	U	U		0.4	0	0
Grey metal, with post girdles 2 2 11  Dark grey metal 1 0 4  Strong grey post 0 1 9  Grey metal 0 4 0  Strong grey post, very hard 0 4 6  Grey metal 0 4 6  Grey metal, with post girdles 0 5 4  Strong white post 1 2 0  Dark grey metal, with balls of ironstone 2 1 9  Grey metal, with ironstone girdles 0 5 3								· ·	_		_	34	Z	Z
COAL, danty   1		0	3	3				Brass and dark shale	0	0	61			
Soft brown metal thill   0   4   8	Grey metal, with post													
Dark grey metal   1	girdles	2	2	11				, dancy				0	1	10
Blue metal, with post girdles 0 1 0 0 10	Dark grey metal	1	0	4								•	-	10
Blue metal, with post girdles 0 4 0			1	9					0	4	8			
Strong grey post, very   hard       0   2   4     Dark grey metal     0   4   6     Grey metal, with post   girdles     0   0   10     Strong white post     0   5   4     Strong white post     1   2   0     Dark grey metal, with   balls of ironstone   2   1   9     Grey metal, with ironstone girdles     0   0   10     Strong white post, with   metal partings     0   3   0     Strong white post, with   metal partings     0   4   1     Into dark grey metal   0   1   4   4     Into dark grey metal   0   1   4   4	Grev metal	0	4					Blue metal, with post						
hard        0       2       4         Dark grey metal        0       4       6         Grey metal, with post girdles        0       5       4         Strong white post       1       2       0         Dark grey metal, with balls of ironstone       2       1       9         Grey metal, with ironstone girdles        0       5       3       3       6½       Black metal 0       0       0       10         Strong white post, with balls of ironstone       2       1       9         Grey metal, with ironstone girdles        0       5       3       3       6½			0					girdles	1	1	7			
Dark grey metal 0 4 6 Grey metal, with post girdles 0 5 4 Strong white post 1 2 0 Dark grey metal, with balls of ironstone 2 1 9 Grey metal, with ironstone girdles 0 5 3		0	2	4					0	0	10			
Grey metal, with post girdles 0 5 4 Strong white post 1 2 0 Dark grey metal, with balls of ironstone 2 1 9 Grey metal, with ironstone girdles 0 5 3														
Strong white post 0 5 4 Strong white post 1 2 0 Dark grey metal, with balls of ironstone 2 1 9 Grey metal, with ironstone girdles 0 5 3		U	4	O					0	3	0			
Strong white post 1 2 0 Dark grey metal, with balls of ironstone 2 1 9 Grey metal, with ironstone girdles 0 5 3	11	^	-	4					0	U	0			
Dark grey metal, with balls of ironstone 2 1 9 Grey metal, with ironstone girdles 0 5 3									Λ	1.	1			
balls of ironstone 2 1 9  Grey metal, with ironstone girdles 0 5 3		1	2	0										
Grey metal, with iron- stone girdles 0 5 3								into dark grey metal	U	Т	42	0	0.	01
stone girdles 0 5 3	balls of ironstone	2	1	9								3	3	05
stone girdles 0 5 3	Grey metal, with iron-													
The second secon		0	5	3										
Carried forward 16 1 4 5 1 8 Total 43 3 24	9													_
	Carried forward	16	1	4	5	1	8	Total				13	3	21
			_				Ŭ	1			-	_	_	

### No. 2,326.—WOODHOUSE CLOSE.

TOWNSHIP OF ST. ANDREW'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Strata bored through in No. 2 Hole in Cabin Gate Field, course from Woodhouse Close North Pit, South 69³/₄ East and distance 2,140 links, by Mr. W. Coulson, Jun. Commenced September 23rd, finished November 23rd, 1862.

	Fs.	Ft.	In,	Fs. Ft. In.				In.	Fs.	Ft.	In.
Soil	0	1	0		Brought forward	36	1	8			
Blue stony clay	2	3	6		Strong white post,						
Sand, with a little water	0	2	0		mixed with whin	2	4	2			
Blue stony clay	0	4	0		COAL, danty	0	0	9			
Brown stony clay	4	3	0		, ,				39	0	7
Soft rubbly water	0	1	3						00	U	- 1
White post "		1	10		Soft grey metal thill	0	5	8			
Strong grey metal	1	2	9		Blue metal, with post						
Strong white post, with					girdles	0	4	0			
metal partings and					Dark grey metal, with						
a little water	5	0	1		black scares		4	6			
Dark grey metal		1			Light grey metal		2	8			
Grey post	0	4	0		Strong dark grey metal			0			
Grey metal, with post	_	_	_		COAL	0	0	6			
girdles	3	0	0						4	1	4
Dark blue metal	1	5	7		G 0. 2					-	
Dark grey metal	ō	5	ò		Soft brown thill, bored		_	_			
Light grey metal thill	ŏ	3	0		with wimble	0	0	9			
Strong grey post, with	Ŭ		ŭ		Strong grey metal, in-		_				
metal partings	1	0	0	-	clining to post	0	1				
Blue metal, with post	-	Ŭ	·		COAL, soft danty						
girdles	2	5	6		COAL, soft slaty	0	0	7			
Grey post, with metal	_	Ŭ	Ŭ						0	3	9
partings	2	0	0		703 1 3 1/3 1						
Strong blue metal, with	_	Ŭ	Ŭ		Blue metal, with post	4	_	10			
threads of post	3	5	0			1		10			
White post girdle	0	1	6			0					
Black metal, mixed	Ŭ	_	Ŭ		Blue metal		0				
with coal	0	2	0		Dark grey metal	0	4	0			
Light grey metal thill	í	0	0		Strong grey post	1	0	6			
Blue metal	ī								6	3	10
Strong grey post	0	5	0								
curons sicy post									F 0	0	0
Carried forward	36	1	8		Total			_	50	3	6
Carried for ward	00	- 1	9	,				-			

# No. 2,327.—WOODHOUSE CLOSE.

TOWNSHIP OF ST. ANDREW'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

Strata bored through in No. 6 Hole, Woodhouse Close.

Fig. Ft. In. Fig														_
Blue stony clay					Fs.	Ft.	In.	7	Fs.	Ft.	In.			
COAL, with water				-								42	1	8
White post, with metal partings and water Grey metal   1									_					
White post, with metal partings and water   1	COAL, with water	0				_			0	2	5			
Description of the post of t					11	5	3							
Grey metal     0   3   3   3   3   3   4   5   5   5   6   6   6   6   6   6   6				_										
Mard white post with water       0   0   7   2   1   11									0	0	4			
Clost the feeder of water at a parting when I fathom into the post, with water 0 3 5								Hard white post, with						
Water at a parting when 1 fathom into the post.   Black metal, with post girdles       0   4   2   8	COAL	0	0	7					2	5_	8			
Sirdles     0   4   2   2   2   2   3   5   5   1   1   1   1   1   1   1   1					2	1	11							
Hard white post, with water	Grey metal, with post							water at a parting						
Strong grey post, with metal partings   1	girdles	0	4	2				when 1 fathom into						
Grey metal, with post gridles	Hard white post, with							the post.)						
Siricles		0	3	5										
Siricles	Grey metal, with post							with coal and brass	0	0	8			
Light grey metal								Dark grey metal, with						
With coal		1	2	0				post girdles	3	0	1			
Light grey metal     0   2   2   2   White and grey post, with metal partings   1   2   3   3   5   5   5   5   5   5   5   5	Black metal, mixed							COAL	0	0	8			
White and grey post, with metal partings 1 2 3  Grey whin, mixed with post 0 4 2  Soft black metal 0 1 2  Mild grey post 0 1 4  COAL 0 0 2  White and grey post, with metal partings 1 0 1 11  White and grey post, with metal partings 1 0 1 11  White and grey post, with metal partings 1 0 1 11  Grey metal, with post girdles 1 3 9  Black metal 0 1 0  Light metal, with hard post girdles 4 4 4 4  Grey metal, with post girdles 4 3 8  Strong grey post, with soft metal partings and scares of coal 4 3 8  Strong grey post, with soft metal partings 2 1 4  Hard grey post 0 4 6  Soft dark grey metal 0 0 0 4  COAL 0 0 0 2  Grey metal 0 0 0 4  COAL 0 0 0 5  Strong grey post 1 2 4  Very hard white post 0 2 11  Soft dark grey metal, with thin post partings 2 2 8  Soft light metal, with soft metal partings of coal 4 3 8  Strong grey post, with soft metal partings and hard post girdles mixed with a little coal at the bottom 1 1 0  Mild grey post, with soft metal partings and hard post girdles 5 5 1  Mild dark grey post, with very hard white post post panels 2 inches thick 2 2 9	with coal	0										6	5	1
White and grey post, with metal partings 1 2 3 Grey whin, mixed with post	Light grey metal	0	2	2				Grey metal thill	0	1	10			
Grey whin; mixed with post 0 4 2 2 Soft black metal 0 1 2 2 Soft grey metal 0 2 10 COAL 0 0 0 2 COAL 0 0 0 5 COAL 0 0 0 0 0 0 0 0 0 0 0 0 0 0	White and grey post,							Grey metal	0	4	6			
Soft black metal		1	2	3				Grey post, with metal						
Soft black metal	Grey whin, mixed with							partings	1	1	9			
Soft black metal 0 1 2 Mild grey post 0 1 4 COAL 0 0 2 10 COAL 0 0 2 10 COAL 0 0 0 2 TOAL 0 0 0 4 TOAL 0 0 0 5 TOAL 0 0 0 9 TOAL 0 0 0 5 TOAL 0 0 0 9 TOAL 0 0 0 0 9 TOAL		0	4	2				Hard white post	1	2	2			
Mild grey post 0 1 4 COAL 0 0 2 Grey metal 0 0 0 2 Grey metal partings 1 0 1 1 1	Soft black metal	0	1	2					0	2	10			
White and grey post, with metal partings 1 0 1 1 1		0	1	4				0001	0	0	2			
White and grey post, with metal partings 1 0 1 Grey metal, with post girdles 1 3 9 Black metal 0 1 0 Light metal, with hard post girdles 4 4 4 4 Grey metal, with post girdles, dark metal partings, and scares of coal 4 3 8 Strong grey post, with soft metal partings 2 1 4 Btrong grey post, with soft metal partings 2 1 4 Btrong grey post, with soft metal partings 2 1 4 Btrong grey post, with soft metal partings 2 1 4 Btrong grey post, with soft metal partings 2 1 4 Btrong grey post, with soft metal partings and much brass 0 2 8 Btrong light grey metal 1 2 6 Btrong grey post 1 2 4 Btrong grey post 1 2 6 Btrong grey post 1 2 4 Btrong grey post 1 2 6 Btrong grey post 1 2 4 Btrong grey post 1 2 6 Btrong grey post 1 2 4 Btrong grey post 1 2 6 Btrong grey post 1 2 4 Btrong grey post 1 2 4 Btrong grey post 1 2 5 Btrong grey post 1 2 4 Btrong grey post 1 2 6 Btrong grey post 1 2 4 Btrong grey post 1 2 6 Btrong grey post 1 2 4 Btrong grey post 1 2 6 Btrong gre	A A A I	0	0	2								4	1	3
with metal partings 1 0 1 Grey metal, with post girdles 1 3 9 Black metal 0 1 0 Light metal, with hard post girdles 4 4 4 Grey metal, with post girdles 4 3 8 Strong grey post, with soft metal partings, and scares of coal 4 3 8 Strong grey metal, with post girdles 4 3 8 Strong grey post, with soft metal partings 2 1 4 Brong grey post, with soft metal partings 2 1 4 Brong grey post, with soft gridles mear the top 1 2 6 Soft dark metal, with post girdles mixed with a little coal at the bottom 1 1 0 Mild grey post, with soft metal partings and hard post girdles and hard post girdles soft metal partings and hard post girdles soft metal partings and hard post girdles to soft metal partings and hard post girdles soft metal partings thick 2 2 9					10	1	11	Grey metal	0	0	4			
with metal partings 1 0 1  Grey metal, with post girdles 1 3 9  Black metal 0 1 0  Light metal, with hard post girdles 4 4 4  Grey metal, with post girdles, dark metal partings, and scares of coal 4 3 8  Strong grey post, with soft metal partings 2 1 4  Strong light grey metal 1 2 6  Hard grey post 0 4 6  Soft light metal, with post girdles mixed with a bittle coal at the bottom 1 1 0  Mild grey post, with soft metal partings and much brass 0 2 8  TOOAL, danty partings and much brass 0 2 8  TOOAL, danty partings and much brass 0 2 8  To a coal at the bottom brack of the thin post girdles soft metal partings and hard post girdles soft metal partings and hard post girdles thick 2 2 9	White and grey post,							COAL	0	0	5			
Grey metal, with post gridles 1 3 9 Black metal 0 1 0 Light metal, with hard post girdles 4 4 4 Grey metal, with post gridles, dark metal partings, and scares of coal 4 3 8 Strong grey post, with soft metal partings 2 1 4 Btrong grey post, with grey metal 1 2 6 Hard grey post 0 4 6 Soft light metal 0 4 9  COAL, danty partings and much brass 0 2 8		1	0	1								0	0	9
girdles 1 3 9 Black metal 0 1 0 Light metal, with hard post girdles 4 4 4 Grey metal, with post girdles 4 3 8 Grey metal, with post girdles, dark metal partings, and scares of coal 4 3 8 Strong grey post, with soft metal partings 2 1 4 Strong light grey metal 1 2 6 Hard grey post 0 4 6 Soft light metal 0 4 9 COAL, danty partings and much brass 0 2 8								Strong grey post	1	2	4			
Black metal 0 1 0 Light metal, with hard post girdles 4 4 4 Grey metal, with post girdles, dark metal partings, and scares of coal 4 3 8 Strong grey post, with soft metal partings Strong light grey metal 1 2 6 Hard grey post 0 4 6 Soft light metal, with a 5 in. whin girdle near the top 1 2 6 Soft dark metal, with thin post girdles mixed with a little coal at the bottom 1 1 0 Mild grey post, with soft metal partings and much brass 0 2 8  COAL, danty partings and much brass 0 2 8  To Al A and partings and much brass 0 2 8  To Al A and partings and much brass 0 2 8  To Al A and partings and much brass 0 2 8  To Al A and partings and hard post girdles thick 2 2 9	* 11	1		9					0	2	11			
Light metal, with hard post girdles 4 4 4 4  Grey metal, with post girdles, dark metal partings, and scares of coal 4 3 8  Strong grey post, with soft metal partings 2 1 4  Barrong light grey metal 1 2 6  Hard grey post 0 4 6  Soft light metal, with a 5 in. whin girdle near the top 1 2 6  Soft dark metal, with thin post girdles mixed with a little coal at the bottom 1 1 0  Mild grey post, with soft metal partings and hard post girdles and hard post girdles 5 5 1  Mild dark grey post, with very hard white post panels 2 inches thick 2 2 9		0	1	0				Soft dark grey metal,						
Grey metal, with post girdles, dark metal partings, and scares of coal 4 3 8  Strong grey post, with soft metal partings  Strong light grey metal 1 2 6  Hard grey post 0 4 6  Soft light metal with thin post girdles mixed with a little coal at the bottom 1 1 0  Mild grey post, with soft metal partings and much brass 0 2 8  ——————————————————————————————————	Light metal, with hard													
Grey metal, with post girdles, dark metal partings, and scares of coal 4 3 8  Strong grey post, with soft metal partings 2 1 4  Strong light grey metal 1 2 6 Hard grey post 0 4 6 Soft light metal 0 4 9  COAL, danty partings and much brass 0 2 8		4	4	4				ings	2	2	8			
girdles, dark metal partings, and scares of coal 4 3 8  Strong grey post, with soft metal partings 2 1 4  Strong light grey metal 1 2 6  Hard grey post 0 4 6  Soft light metal 0 4 9  COAL, danty partings and much brass 0 2 8								Soft light metal, with						
partings, and scares of coal 4 3 8  Strong grey post, with soft metal partings 2 1 4  Strong light grey metal 1 2 6  Hard grey post 0 4 6  Soft light metal 0 4 9  COAL, danty partings and much brass 0 2 8								a 5 in. whin girdle						
Strong grey post, with soft metal partings Strong light grey metal 1 2 6 Hard grey post 0 4 6 Soft light metal 0 4 9  COAL, danty partings and much brass 0 2 8  ——————————————————————————————————								near the top	1	2	6			
soft metal partings 2 1 4  Strong light grey metal 1 2 6  Hard grey post 0 4 6  Soft light metal 0 4 9  COAL, danty partings and much brass 0 2 8	of coal	4	3	8				Soft dark metal, with						
soft metal partings 2 1 4  Strong light grey metal 1 2 6  Hard grey post 0 4 6  Soft light metal 0 4 9  COAL, danty partings and much brass 0 2 8	Strong grey post, with							thin post girdles						
Strong light grey metal 1 2 6 Hard grey post 0 4 6 Soft light metal 0 4 9 COAL, danty partings and much brass 0 2 8	soft metal partings	2	1	4				mixed with a little						
metal 1 2 6 Hard grey post 0 4 6 Soft light metal 0 4 9 COAL, danty partings and much brass 0 2 8								coal at the bottom	1	1	0			
Hard grey post 0 4 6 Soft light metal 0 4 9 COAL, danty partings and much brass 0 2 8		1.	2	6				Mild grey post, with						
Soft light metal 0 4 9  COAL, danty partings and much brass 0 2 8		0	4	6										
and much brass 0 2 8 Mild dark grey post, with very hard white post panels 2 inches thick 2 2 9		0	4	9				and hard post girdles	5	5	1			
and much brass 0 2 8 with very hard white post panels 2 inches thick 2 2 9	COAL, danty partings							Mild dark grey post,						
	and much brass	0	2	8										
thick 2 2 9				_	17	4	7							
Carried forward 42 1 8 Carried forward 15 1 3 53 2 9									2	2	9			
Carried forward 42 1 8   Carried forward 15 1 3 53 2 9						_								
	Carried for	vard	1		42	1	8	Carried forward	15	1	3	53	2	9

# No. 2,327.—WOODHOUSE CLOSE.—CONTINUED.

Brought forward		Ft. 1					Brought forward 0 3 8 78 1 2
Hard white and grey							Strong light metal
post, with thin metal							with a green shade,
partings at the top							a post girdle near
and soft post part-							the top, and an iron-
ings at bottom, with	_						stone ball near the
coal pipes							bottom 1 4 10
COAL, danty							Dark grey metal, with
				24	4	5	coal pipes and a foot
Dark metal							of grey post at the
	0	1	1	- 10			bottom 1 1 0
Brown metal, with							Into hard duffy white
	0						post 0 4 10
Soft grey metal	0	1	9				4 2 4
			-				
Carried forward	0	3	8	78	1	2	Total 82 3 6

### No. 2,328.—WOODHOUSE CLOSE.

TOWNSHIP OF ST. ANDREW'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. Long.

Strata bored through upwards on the Old South Engine Plane at about 300 yards from the North Pit, Woodhouse Close Colliery, reckoning from the bottom of the Main or Brockwell Seam, by Messrs. W. Coulson and Sons. Begun 31st August, 1874; discontinued 7th November, 1874. [Section should read upwards.]

Fs. Ft. In. Fs. Ft	In.	Fs. Ft. In. Fs. Ft. In.
Into hard grey post 1 0 0		Brought forward 10 3 6
Busty Seam— Ft. In.	1	Grey metal 0 2 4
COAL 0 3½	1	Grey post 0 5 6
Band $0   0\frac{1}{2}$		Grey metal 1 3 9
COAL 1 2		Ft. In.
Splint 0 6		COAL 0 11
		Band 0 2
<b>——</b> 0 <b>2</b> 3		COAL 0 2
1 2	3	—— 0 1 3
Dark metal 0 0 4		0 0 10
Grey metal 0 1 0		3 0 10
Hard white post and		Grey metal 0 1 9
grey girdles 2 1 10		27 21 111
Grev post 0 1 0		Hard white post 3 2 10
J Food III		7 1 2
		Bored upwards from
COAL 0 0 7		here:—
6 1	11	Blue metal, fallen 0 4 4
Grey metal, with grey	1	COAL-Main Coal
post girdles 2 4 10		or Brockwell Seam 0 4 10
COAL 0 0 6		
2 5	4	5 1 9
2 0	-30	
		m.4-1 19 0 1
Carried forward 10 3	6	Total 19 0 1
	- 1	p.p.
		ВВ

# No. 2,329.—WOODHOUSE CLOSE.

TOWNSHIP OF ST. ANDREW'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

Strata bored through in No. — Hole, near to Dam Head, Woodhouse Close Colliery, by Messrs. Wm. Coulson and Son. Commenced November 23rd, 1874; discontinued April 7th, 1875.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Soil 0 4 0	Brought forward 25 4 10
Gravel, with water 4 3 0 Sand and water 1 3 0	Dark grey metal 0 0 3
a .	Strong grey metal,
	with post girdles · 3 4 10  Mild white post (the
	water went away
White post, with a	
little water 3 0 2	2 feet into this) 2 1 0 COAL 0 0 3
Grey metal 1 1 2	0 0 3 6 0 4
COAL — Brockwell	
Seam $0 4 0\frac{1}{2}$	Grey metal 3 0 10
$\frac{13}{13}$ $\frac{1}{16\frac{1}{2}}$	COAL, coarse 0 8
2	Dark brown
Blue metal 0 3 8	metal band 0 11
Light grey metal 0 4 0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
White post and metal	$\frac{0000}{}$ 0 1 6
girdles 0 5 0	3 2 4
Hard white post 1 0 6	
Blue metal 0 5 8	Dark grey metal 0 0 8
Hard post 0 2 $9\frac{1}{2}$ Dark grey post 5 2 3	Grey metal 1 1 6
g - c J Post 0 = 0	White post 3 4 11
Light grey metal, with black bands 2 1 2	Whin girdle 0 0 8
	White post 1 2 0
COAL Ft. In.	Grey metal and post
Grey metal band 0 7	girdles 3 0 2
COAL, danty 0 9	COAL, with slate
Black metal.	partings 0 0 $7\frac{3}{4}$
with coal	
pipes 0 6	Dark grey metal 0 0 5
* *	White post 1 4 0
0 2 3	Grey metal 4 0 7
$12 \ 3 \ 3\frac{1}{9}$	Into whin stone $0   0   11\frac{1}{4}$
	$5511\frac{1}{4}$
Carried forward 25 4 10	Total 51 0 0

# No. 2,330.—WOODIFIELD.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 33 of Ordnance Map. Lat.

, Long.

### Strata taken in the Old Landsale Pit, Woodifield Colliery.

		Ft. In. Fs. Ft	t. In, [				In.			
Outset and walling	1	$3 \cdot 8$		Brought forward	1	2		10	0	$7\frac{1}{2}$
Brown and grey post	1	0 10		Grey metal	0	2	6			
Blue and brown metal	0	4 9		Grey metal	0	0	7			
COAL 1 0			1	Grey post	0	1	8			
70 7				Dark metal	0	0	9			
0041				COAL—Five-Quarter						
COAL 2 7	0	4 2		Seam	0	4	2	_		_
	U	4 Z 4 ]	5				_	3	0	1
Consumatal	0	$0  5\frac{3}{4}$	1 9	Seggar clay, with no-		_	_			
Grey metal Black metal	0	$0  6\frac{3}{4}$		dules of ironstone	1	0	7			
	0	$\frac{0}{2} \frac{0}{10}$	1	Light grey post	1	2	5			
Grey metal	0	0 9		Grey metal	0	3	7			
COAL	U	0.5 0 4	71	Very hard grey sand-	0	0	~			
Common alarr	0	0 9	$7\frac{1}{2}$	stone	0	2	5			
Seggar clay		$\frac{0}{1} \frac{9}{2\frac{1}{3}}$		Post, with metal part-	_		_			
Light blue metal	0	$\frac{1}{4} \frac{2\frac{1}{2}}{10\frac{1}{2}}$		ings	0	4	5			
Light grey post	0	0.8	1	Grey metal	1	3	0			
Grey metal	0	1 7		COAL	0	2	$2\frac{1}{2}$		0	<i>⊢</i> I
Grey post	0	$\frac{1}{1} \frac{7}{6\frac{1}{3}}$		D 1 (1		1	41	6	0	72
Grey metal	0	$\begin{array}{ccc} 1 & 6\overline{2} \\ 1 & 6 \end{array}$	-	Dark grey metal	0	1	$4\frac{1}{2}$			
Grey post Grey metal	0	1 113		Post, with metal part-		~	4			
0 13	0	1 4	İ	ings	4	5	4			
Grey post, with metal	U	± ±.		Dark grey metal, with						
	0	$2 \ 10\frac{1}{3}$		thready layers and	- 1	1	6			
0 1 1	0	$0.5\frac{1}{4}$		nodules Ft. In.	1	1	O			
0	0	$1  7^{\overline{4}}$	-	COAL 2 2						
	0	2 9		Band 0 6						
Grey post Blue metal	0	3 1		COAL 4 4						
a .	0	$\frac{3}{2}  0\frac{1}{2}$		Splint 0 2						
D 11	0	$\begin{array}{cccc} 2 & 0_{\bar{2}} \\ 0 & 4_{\bar{2}}^{1} \end{array}$			1	1	2			
COAL	0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$						7	3	41
COAL .,	_		0 7	Seggar clay	0	2	0			-
Dark grey metal	0	$2  0\frac{1}{2}$	•	Seggar clay, with no-						
Dark grey metal, with	U	2 02		dules of ironstone	1	0	4			
nodules of ironstone	0	0 . 6					_	1	2	4
Brown post	0	5 10½					•			
Diown post										
Carried forward	1	2 5 10 (	0 71	Total				28	1_	01
Carried 101 Ward	-	_ 0 10 (	. 2				-			_

#### No. 2,331.—WOODIFIELD.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 33 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in the Royalty of G. Wilkinson, Esq., Mown Meadows, by Mr. W. Coulson. December, 1839.

Approximate surface level

feet above sea (Ordnance datum).

Soil Fs. Ft. 0 1	In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In. Brought forward 10 1 9
Clay, stones, and yellow		Grey metal, with post
clay ,,, 0 4	0	girdles and water 4 4 0
Strong brown stony		CÔAL 0 2 0
clay 4 2	0	5 0 0
Brown post, with water 1 5	9	Grey metal, with post
Strong white post 1 0	0	girdles 3 0 0
White post, with metal		White post 3 0 0 Grey post 1 3 0 Grey metal 0 3 0
partings and water 1 0	9	Grey post 1 3 0
Grey metal 0 2	0	Grey metal 0 3 0
Dark grey metal 0 0	6	Dark grey metal 0 3 0
Five-Quarter Seam—		Main Coal Seam—
Ft. In.		Ft. In.
COAL 2 7		COAL 2 8
COAL, splint 0 9		Dark band 0 3
COAL 0 5		COAL 4 4
0 3		Splint 0 4
	-10 1 9	$\frac{1}{2}$ 1 7 9 4 7
		9 4 7
Carried forward	10 1 9	Total 25 0 4
Carried forward	10 1 9	10tal 25 U 4
	1	

### No. 2,332.—WOODIFIELD.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 33 of Ordnance Map. Lat. 54° 42′ 42″, Long. 1° 45′ 7″.

Strata sunk in the B Pit, Woodifield Colliery. Begun to sink September 11th, 1843; finished November 8th, 1843.

Soil Fs. Ft. In. Fs. Ft. In. O 1 0	Fs. Ft. In. Fs. Ft. In. Brought forward 4 1 7
Marly clay 2 3 1	Grey metal 0 3 4
Grey metal 0 4 9	Dark grey metal 0 3 0
Five-Quarter Seam-	Very dark grey metal 0 2 0
Ft. In.	Light grey post 0 2 0
COAL 3 1	Dark grey metal 0 0 1
Band 0 1	COAL 0 1 111
COAL 1 7	$\frac{}{}$ 2 0 4 $\frac{1}{2}$
0 4 9	Grey metal 1 1 0
4 1 7	White post $0   1   1\frac{1}{2}$
Carried forward 4 1 7	Carried forward $1 \ 2 \ 1\frac{1}{2} \ 6 \ 1 \ 11\frac{1}{2}$

# No. 2,332.—WOODIFIELD.—CONTINUED.

Brought forward $\begin{bmatrix} Fs. & Ft. & In. & Fs. & Ft. & In. \\ 1 & 2 & 1\frac{1}{2} & 6 & 1 & 11\frac{1}{2} \end{bmatrix}$	Brought forward Fs. Ft. In. Fs. Ft. In. 13 5 11
Dark grey metal $0 0 3\frac{1}{2}$	
White post 0 2 7½	Grey metal 0 2 0 Whin and ironstone 0 0 10
Dark grey metal,	Ft. In.
mixed with post 0 4 10	COAL 0 10
Grey and white post,	Grey metal 1 0
with metal near the	COAL 4 1
bottom 2 3 2	Splint 0 2
White and grey post 0 2 2	1 0 1
Post, with metal part-	1 2 11
ings 0 5 $7\frac{1}{2}$	Seggar clay $0  ext{ 1 } 8\frac{1}{2}$
White and grey post 0 1 4	Seggar clay, with
	nodules of ironstone 0 5 3
Dark grey metal 0 2 10	
COAL 0 2 2	Seggar clay 0 0 6
<del> 7 3 2</del>	Into post 0 0 6
	1 1 1112
0 110 1 10 7 11	T 1 1 10 1 0
Carried forward 13 5 $1\frac{1}{2}$	Total 16 4 0

# No. 2,333.—WOODLAND.

TOWNSHIP OF WOODLAND, DURHAM.

Sheet 40 of Ordnance Map. Lat. , Long.

Section of Strata sunk through at Woodland Colliery.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Surface (clay and soil) 2 1 8	Brought forward 12 3 4
Blue metal, with iron	COAL, good 0 0 11
girdle (18 ins.) 1 3 0	Strong dark post 1 5 1
COAL, soft 0 0 2	Strong white post 0 1 6
Yellow clay 0 0 2	Strong grey whin 0 1 5
Grey post 3 0 6	Leafy post 2 0 3
Blue metal 0 2 4	Dark blue metal 0 4 1
Grey post 0 1 0	Iron girdle 0 0 7
D1 1 1 0 C	Dark blue metal 0 1 2
0 0 0	Leafy post 0 2 10
0 1 1	White post 0 1 9
Fire clay 0 1 1 Blue metal 0 4 6	Leafy post 0 1 5
Tride Medica	Strong grey post 2 0 11
Strong grey pass	Leafy post 0 3 0
Ditte media	COAL, metal 0 2 0
Buttong grey post	Blue metal 0 4 0
Five-Quarter Seam— Ft. In.	Main Coal Seam—
COAL, top 0 4	Ft. In.
Band 0 5	COAL, top 2 8
	Band 0 4
COAL 3 10 0 4 7	COAL, bot-
12 0 4	tom 3 1
	1 0 1
The clay	1 0 1
COAL, parrot 0 0 4	11 1 0
0 5 0	
Carried forward 12 3 4	Total 23 4 4
Carried forward 12 3 4	1000

# No. 2,334.—WOOLEY.

### TOWNSHIP OF BRANCEPETH, DURHAM.

Sheet 26 of Ordnance Map. Lat.  $54^{\circ}$  44' 26'', Long.  $1^{\circ}$  43' 21''.

Section of Strata sunk through at Wooley Pit, Pease's West Colliery. August, 1864.

Approximate surface level 700 feet above sea (Ordnance datum).

		Fs.	Ft.	. In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft.	In.
Soil		0	1	0				Brought forward 27 1	6
Yellow clay		1	1	0				Fire clay 0 1 0	
Rubble freestone, w	ith							Grey post, with water 0 2 8	
girdles		1	3	0				Grey metal, with post	
Strong grey post		3	3	6				girdles 2 0 10	
731		3	2	6				COM	
	• • •		0	6					0
Black stone	• • • •	0	_					2 5	2
COAL	***	0	1	6		_		Fire clay 0 1 6	
					10	1	0	Grey leafy post, with	
Seggar		1	0	0				water 0 2 6	
COAL, jet		0	0	4				Strong grey post,	
Band		0	0	2!	ļ			mixed with whin 1 2 0	
COAL		0	0	2				Blue metal 0 0 9	
	٠				1	0	9	Brown whin girdle 0 2 3	
Sommen		0	1	0	-	v	·	T01 ( 1	
Seggar		U	1	U					
Grey metal, with p	USL	7	-	1.1				Strong grey metal, with	
girdles	• • •	1	5	$1\frac{1}{2}$	1			post girdle 1 5 0	
Strong post girdles		0	3	6				Dark blue metal, with	
Grey metal, with p	ost							ironstone bands 2 2 7	
girdles		1	3	-6				COAL 0 0 8	
Black stone		0	5	4				8 0	10
COAL		0	0	10				Seggar 0 3 0	
					5	1	$3\frac{1}{5}$	Grey metal, with post	
Fire clay		0	2	6	_	_	- 2	girdles 2 5 8	
n1 1 /		ŏ	2	ĭ				Blue metal ' 0 1 8	
0041	• • •	0	1	8				701 1 1	
COAL	• • •	U	Т	0	1	0	9	S	
T01 1 /	_	_	_		Т	0	3		
Black stone	• • •	0	0	8				COAL 0 2 7	
Fire clay		0	4	0				4 1	11
Grey metal, with ir	r011							Black stone 0 0 6	
girdles		1	3	11				Seggar 0 3 6	
Fire clay		0	1	8				Grey post 0 2 0	
Black stone		0	2	$10\frac{1}{5}$				Grey metal 0 2 2	
COAL		0	0	15				COAL 0 0 2	
					3	1	3	1 2	4
Seggar		0	2	4		-	Ŭ	Seggar 0 2 7	_
111 1 /	•••	0	õ	3				W13	
	• • •	0	0	11				0 4 6	
Seggar	4	-							
Grey metal, with wat		1	0	6					0
Grey metal, with po	ost	_		0					2
girdles		0	4	2				Seggar 0 2 6	
Black stone		0	2	0				Grey metal 1 2 2	
COAL		0	0	3				Blue metal 0 3 8	
	-				2	4	54	COAL 0 1 11	
Grey metal, mixed wi	ith						_	2 4	3
post girdles		3	4	0				Seggar 0 0 10	
mi i i		0	0	3				COAL 0 0 6	
COAL	• • •	0	0	3				0 1	4
	•••	0	0	-	3	4	6	0 1	
					O	-16	U		
							_		_
Carried	forw	ard	1		27	1	6	Carried forward 48 1	6

# No. 2,334.—WOOLEY.—CONTINUED.

Brought forward				Fs. 48		In. 6	Brought forward 2 4 3 52 4 4
Seggar Grey metal, with iron- stone bands	0	2	5 4				COAL—5 4 or Bottom Busty Seam 0 2 1½
Black stone	0	_	10				Coarse seggar $\frac{}{}$ 3 0 $4\frac{1}{2}$
COAL	0	0	2				White grey post 6 3 0
				1	0	9	Grey metal 1 2 5
Seggar	0	1	0				COAL-3/4 or B Seam 0 1 5
Strong grey metal, mixed with strong							Segren 8 3 5
post	2	5	2				Seggar 0 2 0 Grey metal, with iron-
Blue metal		0					stone bands 1 2 0
COALBallarat or		-	-				COAL 0 0 3
Top Busty Seam	0	1	5				1 4 3
C C			_	3	2	1	Seggar 0 1 6
Seggar	0	3	0				Strong grey metal,
Grey post Blue metal	0	4 2	3				with post girdles 0 5 10 Strong grey post 1 0 0
Grey metal, with post	U	2	U				Leafy post 0 1 0
girdle	0	2	2				Grey post, with metal
Whin girdle	0	2	2 5				partings 8 2 6
Grey leafy post	0	1	0				Blue metal 0 0 6
Grey metal, with post	_	-	^				COAL — Brockwell
girdle	0	1	0				Seam 0 3 8
Blue metal Black stone	0	0	5				11 3 0
Black stone							
Carried forward	2	4	3	52	4	4	Total $\frac{77 \ 3 \ 4\frac{1}{2}}{}$

### No. 2,335.—WOOLEY.

### TOWNSHIP OF BRANCEPETH, DURHAM.

Sheet 26 of Ordnance Map. Lat. , Long.

 $Strata\ bored\ South-west\ of\ High\ Wooley\ Farn\ House.$  Approximate surface level feet above sea (Ordnance datum).

Soil Fs. Ft. In. Fs. Ft. I	n. Brought forward 0 5 3 31 4 6
	Grey post 3 1 0
Blue clay 13 3 2	
Grey metal 2 2 9	Black stone 0 0 6
Black stone, mixed	Grey post, with water 3 5 6
with coal 0 2 0	Grey metal stone 1 1 6
Grey metal, with post	Ft. In.
girdles 0 3 0	COAL 2 7
Grey post 0 4 9	Band, grey
Grey metal 0 4 0	metal 0 9
	COAL 0 5
Black stone, mixed	
with coal 0 2 10	0 3 9
Grey metal 0 1 6	9 5 6
Grey post 3 3 4	Dark grey metal, with
Brown post 3 3 4 Brown post 0 5 6	post girdles 4 2 0
Grey metal stone 1 2 3	White post 1 1 2
	Grey post 1 3 0
	Dark grey metal 0 2 10
	6 COAL good 0 2 6
	6 COAL, good 0 2 6
Grey metal, with coal	7 0 0
pipes 0 5 3	
* *	
Carried forward 0 5 3 31 4	6 Total 49 3 6
Carried Lormand 0 0 0 01 1	

# No. 2,336.—WOOLEY.

#### TOWNSHIP OF BRANCEPETH, DURHAM.

Sheet 26 of Ordnance Map. Lat.

, Long.

An Account of Strata bored through at High Wooley, Second Hole, South of House near Burn which divides the Russels' property.

Approximate surface level

feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Clay, etc 2 2 0	Brought forward 6 1 7 33 1 11
Metal, etc 6 1 0	Whin 0 0 9
Metal and black stone 0 3 2	Metal stone and post
COAL 0 1 11	girdles 1 0 0
<del></del> 9 2 1	COAL, strong 0 2 7
Metal, with coal 0 1 0	COAL, strong 0 2 7 Metal stone 0 0 9
Dark metal, etc 7 1 6	COAL 0 0 5
Metal, etc., scared with	Metal and post 4 0 10
coal at intervals and	Whin 0 1 3
water 13 1 0	White post strong 1 1 0
Grey metal stone 3 0 5	Dark metal, with post
COAL 0 1 11	and whin girdles 1 1 11
23 5 10	Post 1 0 0
Grey metal, with post	Whin 0 0 6
girdles 0 5 0	Post 0 1 0
White post 0 3 0	Metal stone 0 3 0
Grey metal and post	COAL 0 2 6
girdles 2 1 7	Blue metal 0 2 8
Whin 0 1 0	17 2 9
Grey metal, with post	
girdles, and grey	
metal scared with	
coal and metal stone	
and post girdles 2 3 0	
	TT - 1
Carried forward 6 1 7 33 1 11	Total 50 4 8

### No. 2,337.—WOOLSINGTON.

TOWNSHIP OF WOOLSINGTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat.

, Long.

Bored at Woolsington, about 120 yards to the North-east from the Hall. April 30th, 1759.

Soil and brown clay Fs. Ft. In. Fs. Ft. In. Stony clay 0 2 0 Stony clay 0 4 0	Brought forward 1 0 0 0  Sand mixed with clay, with water 0 1 6  Strong stony clay 9 0 0
Carried forward 1 0 0	Carried forward 10 1 6

# No. 2,337.—WOOLSINGTON.—CONTINUED.

Brought forward	Fs.	Ft.		's. Ft.			Brought forward Fs. Ft. In. Fs. Ft. In. 15 3 7
Brown scamy ramble or metal, with white							Post girdle or lump 0 0 3
post girdles and							Grey metal 1 0 0
water	0	5	0				Blue grey metal 0 2 0
Blue metal, with brown	_	0	0				COAL 2 8
scames Soft black metal							COAL, with
Grey metal		3					small black
Ft. In.			Ü			- }	danty scare
COAL 0 9							bands 0 8
Black and grey metal, with							COAL 1 2 0 4 6
coal 0 10							2 0 9
<b>COAL</b> , foul 0 6						İ	Into grey metal 0 0 8
	0	2		~ 0			
	_			5 2	]		
Carried forward			1	5 3	,	7	Total 17 5 0
						1	

# No. 2,338.—WOOLSINGTON.

TOWNSHIP OF WOOLSINGTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat.

, Long.

Second Place bored at Woolsington, about 300 yards South-west from the First Place.

Approximate surface level feet above sea (Ordnance datum).

Soil and brown clay Fs. Ft. In. Fs. Ft. I	Brought forward 5 4 4 16 0 1
	Black metal, mixed
Strong clay 1 3 0	with coal or foul
Gravel and sand, with	coal 0 0 7
water 0 1 9	5 4 11
Stony clay 3 1 3	
Sand 0 1 0	Grey metal, with strong
Stony clay 1 2 6	girdles or lumps 0 5 6 Blue metal 0 0 6
Sand, mixed with clay 0 1 6 Stony clay 5 5 0	Blue metal 0 0 6
	COAL 0 7
Mixture whin stone 0 1 1	Brass lump or
Stony clay 2 4 0	scare band 0 1
16 0	COAL 2 6
Grey metal, with gir-	COAL, foul 0 2
dles or lumps 1 3 0	0 0 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1
Strong white post,	Black grey me-
with water 1 1 0	tal, seared
Black metal 1 5 0	with coal 0 2
Grey and black metal 1 0 0	00712 111 2
Black metal, with a	COAL, hard
small mixture of	slaty, with
coal 0 0 4	water 0 6
Black metal 0 1 0	0 5 0
Diack metal 0 1 0	1 5 0
	Into grey metal 0 0 6
	m 1 20 4 C
Carried forward 5 4 4 16 0	1 Total 23 4 6
	C C

### No. 2,339.—WOOLSINGTON.

#### TOWNSHIP OF WOOLSINGTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat.

, Long.

Third Place bored near Woolsington, 300 yards North-west from the Second Place.

Approximate surface level feet above sea (Ordnance datum).

		Fs. Ft		Fs.	Ft.	In.	Fs Ft. In. Fs. Ft. In.
Soil and clay		1 0	9				Brought forward 4 1 4 16 4 0
Gravel		0 1	6				Black grey metal stone,
Sand, with water		0 1	0				with post girdles and
Stony clay	1	5 0	9				water 2 1 0
	_			16	4	0	White post and metal
Blue grey metal		3 3	6				partings 0 4 0
Grey metal stone		0 3	0				Into black grey metal
Post girdle		0 0	10				and post girdles 1 0 2
· ·							8 0 6
	-						
Carried forwa	rd	4 1	4	16	4	0	Total 24 4 6

# No. 2,340.—WOOLSINGTON.

TOWNSHIP OF GREAT WOOLSINGTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat.

, Long.

Fourth Place at Woolsington, in the East part of the Narrow Close, about 90 yards from South Boundary.

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil	0	0	9				Brought forward 0 0 11 18 2 0
Stony clay	1	0	0				Soft grey rambly stone 0 0 7 Stony clay 0 2 0
Gravel and channel,							Stony clay 0 2 0
with water	0	3	0				Stony clay, mixed with
Stony clay	3	0	9				ramble or broken
Stony clay, mixed with							post 1 0 0
	0	1	0				Grey metal, with post
	12						girdles 1 0 0
<i>J J J J J J J J J J</i>				17	3	0	Grey seamy post 2 2 0
Soft black grey ram-					-	_	Grey and blue metal,
bly metal, mixed							with some small
with clay and some							pieces of black metal
scares of coal		1	6				near the bottom 4 1 6
Grey rambly stone							Grey post 0 1 3
Black metal							Grey metal stone, with
COAL	ŏ	1	0				pest girdles 2 0 0
				0	5	0	Grey post 1 3 7
Blue metal	0	0	3	U	U	U	Size J Pract III
Stony clay, with a		U	U				12 5 10
small mixture of							
sand		0	8				
Banc 114		-0	- 0		1		
Carried forward	0	0	11	18	2	0	Total 31 1 10
Carried for ward	U	U	11	1.0		J	

### No. 2,341.—WOOLSINGTON.

TOWNSHIP OF WOOLSINGTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat.

, Long.

Sunk in the Second Pit, near Woolsington Bridge.

Approximate surface level feet above sea (Ordnance datum).

Clar			In. F	s. Ft.	In.	D 114	Fs.	Ft.	In.	Fs.	Ft.	In.
	. 1					Brought forward	<b>2</b>	1	0	16	4	6
	. 0	0	6			Blue stone, which is						
		4				the foundation of						
Sand (no water)	. 0	1	6			the dam	Ω	3	6			
	5					Black stone						
			1	9	0							
White post with whis				2 3	U		0					
White post, with whin						Blue stone						
	0					COAL, foul	0	2	3			
Blue stone										8	0	6
COAL, foul	. 0	0	6			Black stone, mixed						
			4	4 1	6	with catheads	0	5	10			
Black thill	. 0	1	0		•	Strong blue stone						
Grey girdles, with		_	_			COAL						
water		0	0				U	U	U	-1	-	0
water	4	U	U							T	5	6
C				2 1		m						_
Carried forward	2	1	0 1	6 4	6	Total				26	4	6
									=			

# No. 2,342.—WYLAM.

TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

Long.

Bored on Wylam Common, North from the Town about 350 yards.

Approximate surface level

feet above sea (Ordnance datum).

				Fg.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Soil							Brought forward 0 3 9 14 0 5
Stony clay	8	5	0				Grey metal, with gir-
Strong white post gir-							dles or lumps 1 3 4
dles, metal partings,							White post 0 5 0
and a small siping							Grey and black metal,
of water	3	0	0				with post girdles 0 5 0
White post, mixed							Ft. In.
with whin	0	2	0				COAL 1 2
with whin White post	1	3	6				Metal or scare
Grey metal	0	U	3				band 0 1
COAL	0	0	8				COAL 0 4
				14	0	5	COAL, foul 0 2
Blue and grey metal	0	3	0				COAL 1 9
Strong brown and dun							0 3 6
open post, with water	0	0	9				4 2 7
							Grey metal 0 0 4
			_				
Carried forward	0	3	9	14	0	5	Total 18 3 4

### No. 2,343.—WYLAM.

#### TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

, Long.

Second Hole on the Common, about 200 yards North of the Town. 1750.

Approximate surface level - feet above sea (Ordnance datum).

				Fs. Ft. In.		Ft	In.
Soil and stony clay	9	0	0	Brought forward 17 3 6	,		
White post	0	0	6	Grey metal 0 1 (	j		
Blue and grey scamy				COAL 0 0 8	,		
metal	0	1	0		17	5	2
Stony clay, with blue				Grey metal, with cat-			
and grey metal	1	3	0	heads 1 3 0	,		
Blue grey metal stone				Open brown post, with			
Blue and grey metal,				water 0 1 0			
post girdles, and				White and grey post 0 3 0	)		
water	1	2	0	Grey and blue metal,			
White post, with me-				with post girdles 1 0 0	,		
tal partings	1	0	0 -	Blue and black metal 0 0 10			
Dun whin				COAL, with some			
White post	3	2	0	small scare bands 0 3 7	•		
White post, mixed					. 3	5	5
with whin	0	2	6.	Into grey metal	0	ŏ	6
Carried forward	17	3	6	Total	21	5	1
2011104 201 11414				10001			

### No. 2,344.—WYLAM.

#### TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

, Long.

Bored at Wylam, about 50 yards North-east from the Ford. First Hole. By Mr. J. Rawling.

Soil and gravel	Fs. Ft.	In. F	s. Ft.	In.	Brougl	ht for	rwa					Fs.	Ft.	In.
Brown and grey post, with red rambly	2 0	_			COAL, soft	t.	Ft. 2							
coal, soft loose					Grey me scared w	rith								
slaty, with water	0 1	0			coal COAL		$\frac{0}{3}$	4 0						
								_	0	5	4			
								•				3	4	1
Carried forward	2 4	9				Carri	ed :	forv	var	d		3	4	1

# No. 2,344.—WYLAM.—CONTINUED.

Brought forward Grey metal stone White post Whin White post Grey metal COAL	0 0 9 0 3 0 0 3 8 0 1 4	3		In. 1	Brought forward Blue and black metal, with post girdles Blue and black metal Open white post, with water White and grey post Blue metal	1 2 0 1 0	0 0 4 2 2	$\begin{matrix} 0 \\ 0 \\ 6 \\ 4 \\ 0 \end{matrix}$		7t. I	
Grey metal stone White post, with scamy partings and water  COAL 0 10 Black danty metal 0 3 COAL 0 9	3 1 0		5	10	Grey metal Grey post, with water Grey metal White post, with water Blue metal Black metal, scared with coal	0 1 0 0	1 1 2 1	0	6	0	5
Black and blue metal Grey post, with metal		)		2.0	COAL, foul COAL; with water	0	0 3	8	3	1	6
white and grey open post, with water	1 2 0	)			Grey metal thill				0	0	5
		- 4	5	6							
Carried for	rward	15	2	2	Total		***	-	24	4	6

# No. 2,345.—WYLAM.

#### TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

Long.

Account of the Boring in the Elliot Pit, at Wylam Colliery, from the Six-quarter Coal Seam. July 17th, 1763.

	Fs. Ft.	In. Fs.	Ft. In.					Fs.	Ft.	In.
Loose rubbish	1 4	0		Brought forward	5	4	6			
Grey post	1 2	0		Strong grey scamy						
Mixture whin	0 2	0		stone	0	4	7			
Blue grey metal stone	1 2	6		· Whin	0	1	0			
Black stone, with hard				Grey metal stone	0	4	6			
girdles or lumps		0		COAL, with water	0	2	7			
g				· ·						
					-		_			
Carried forward	5 4	6		Carried forward	7	5	2			

# No. 2,345.—WYLAM.—CONTINUED.

				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	7	5	4				Brought forward 13 1 0
Black metal, mixed	0	^	9				Grey and blue metal 1 0 0
with coal			2				White post 1 1 0
COAL	U	1	Z	0	0	0	Whin 0 2 3
~				8	0	6	Grey and blue metal
Grey metal and metal		_	•				and post girdles 1 5 0
stone, with girdles Black stone	1	5	6				White post 3 1 6
Black stone	0	3	0				White post 3 1 6 Grey metal stone 0 4 3
Blue metal							COAL, with water 0 1 4
COAL	0	0	4	_			8 3 4
				2	4	4	
Grey and black metal,							Grey post, with mix-
with hard girdles	1.	5	8				ture whin girdles 4 1 6
Ft. In.							Grey metal stone 0 3 9
COAL, with							Into grey post 0 0 9
water 0 7							5 0 0
Blue metal 0 1							0 0
COAL, with							
water 1 4							
COAL, hard							
coarsesplinty 0 6							
coarsespinity o o	0	2	6				
		_	-	2	2	2	
Carried forw	rard			13	1	0	Total 26 4 4
Carried for w	wi (i			10	-	0	10tal 20 4 4

# No. 2,346.—WYLAM.

#### TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

, Long.

## Bored in the Margery Pit, at Wylam Colliery, from the Six-quarter Coal Seam. August 31st, 1763.

Box Grey metal stone		2	3	Fs.	Ft.	In.	Brought forward 4 4 10 Grey metal stone 0 4 2
Grey post Strong white post, mixed with whin	0	5	0				COAL 1 9 Black grey me-
Whin White post, with water	0	$0 \\ 1$	10 4				tal 0 2 COAL 0 8
Grey metal Black stone, with gir- dles and water							COAL, splinty 0 2 0 2 9 5 5 5
Grey metal stone, with girdles Whin	0	3	8				Grey metal 0 0 6 Into grey post 0 2 0
Carried forward	_	_	_				Total 6 2 3

# No. 2,347.—WYLAM.

### TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

, Long.

Account of Boring in the Hedge Pit, at Wylam Colliery, from the Five-quarter Coal Seam. September 18th, 1763.

Approximate surface level feet above sea (Ordnance datum).

	Fg	TFt.	Tn	Fs	Ft.	Tn	Fs. Ft. In. Fs. Ft. In.
Box				- D+	~ 0.		Brought forward 3 4 5 3 1 6
							Black slaty stone, with
Grey metal Grey post	0	3	9				water at bottom 1 0 0
Grey metal, with gir-							Grey metal stone, with
dles	1	2	3				post girdles 1 3 0
COAL (by the men's	_	_					Blue grey metal 0 1 0
account)	0	3	0				Ft. In.
				3	1	6	COAL, splinty,
Grey metal, with gir-				_	_	_	with water 1 0
dles	0	4.	10				COAL 1 6
Strong white post							Black slaty
Whin							metal, mixed
White gullety post,	•	.,					with coal 0 5
with water	1	3	Ð				COAL 0 8
Grey metal stone, with	_		v				0 3 7
hard girdles	0	2	6				7 0 0
nara giraics		- ~	U				Into grey metal 0 0 3
							The grey mean
Commind formand	3	1	5	2	1	6	Total 10 1 9
Carried forward	9	46	9	0	1	U	Total 10 1 9

### No. 2,348.—WYLAM.

#### TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

, Long.

Account of the Boring at Wylam, to the North-east from the Hall about 500 yards.

August 14th, 1766.

Soil 55 Ft. In. Fs. Ft. In. O 1 6	Brought forward 1 3 0 4 0 0  Blue metal, with gir-
Strong clay 3 0 0 Gravel, with a mixture of clay and water 0 4 6	dles 0 4 0
Soft black metal	COAL 2 0  Blue metal 0 6  COAL 0 8
ramble 1 1 6 Black stone 0 1 6	0 3 2
Carried forward 1 3 0 4 0 0	Carried forward 6 4 2

### No. 2,348.—WYLAM.—CONTINUED.

Brought forward  Blue grey metal stone  COAL 0 1 0	Brought forward 3 4 0 12 1 6  COAL 0 2 5  COAL, coarse splinty 0 1 0
Grey metal stone 3 2 0	Into grey metal stone.
Black stone 0 2 0	2-100 8-07
Carried forward 3 4 0 12 1 6	Total <u>16 2 11</u>

### No. 2,349.—WYLAM.

TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

First Hole, bored in the Andrew Pit, at Wylam Colliery, from the Thill of the Yard Coal Seam. May 1st, 1776.

Approximate surface level feet above sea (Ordnance datum).

Thill					Fs. Ft. In.	Brought forward 4 4 8	In.
		1	1	0		COAL, good 2 7 Splint 0 3	
		0	4	0		0 2 10 5 1	6
Carried forwa	ard	4	4	8		Total <u>5 1</u>	6

## No. 2,350.—WYLAM.

TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

Second Hole, bored in the Primrose Pit from the Yard Coal Seam. May 17th, 1776.

Approximate surface level feet above sea (Ordnance datum).

Blue metal White metal Blue grey metal, with water Grey metal, with post girdles	0 0 2	0 0 2	6 6	Fs.	Ft.	In.	Brought forward 4 4 6 White post 1 0 0 Blue grey metal 3 0 0 COAL 0 2 8 9 1 2
Carried forward	4	4	6				Total 9 1 2

#### No. 2,351.—WYLAM.

# TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

, Long.

Third Hole, bored in the Endeavour Pit, Wylam Colliery, from the Thill of the Yard Coal Seam. May, 1776.

Approximate surface level feet above sea (Ordnance datum).

Blue grey metal Grey metal, with coal	2			Fs. Ft. In.	Brought forward 9 3 6
pipes Blue grey metal	0				COAL 2 11 COAL, splint 0 5
White post		3	6		0 3 4 
Carried forward	9	3	6		Total <u>10 0 10</u>

### No. 2,352.—WYLAM.

#### TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

Account of Boring from Brockwell Seam (supposed Denton Low Main or Horsley Wood Seam) in the Prosperous Pit, Wylam Colliery. March, 1814.

Approximate surface level

feet above sea (Ordnauce datum).

			10°c	E4	In.	Tr'e	17+	In	Fs. Ft. Iu: Fs. Ft. In	١.
Guar nost			1			L'B.	L. D.	111.	Brought forward 7 1 0 4 3 7	
		• •			ŏ				Blue stone, with girdles 1 3 0	
		٠.	-	_	_				Dide Stolle, with grades	
White post			1	_					building white post	
Blue stone		ī.	0	0	10				White cashy parting 0 1 8	
White post	•••		0	0	10				Strong post 2 4 4	
The in			0	-	0				Blue stone 0 0 8	
		• •	-						0 0 10	
		• •	-	0	4				COAL 0 0 10	
Blue stone			1	0	1					,
COAL			0	0	6				Thill 0 1 10	
						4	3	7	Strong grey post 3 1 7	
Cu 1.1.			=	2	7	-		•	Whin 0 3 4	
Strong white	post	• •	5	_						,
Whin			0	2	0				4 0 9	,
Post			1	2	5					
~			_	-	_	-	0	-	Total 22 4 1	
Carried :	forward		7	1	0	4	3	7	TOTAL III	

# No. 2,353.—WYLAM.

### TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

Strata bored through near the Railway, opposite the Haugh Pit, Wylam Colliery.

Black metal stone Grey metal stone COAL, with water	$\frac{1}{2}$	0 3	$2\frac{1}{2}$			In. 9	Brought forward 2 4 1 3 5 9 Blue metal stone 0 5 4 Brown post girdles 0 0 2 Blue metal stone 0 2 1
Grey metal stone Brown post, with							Brown post girdles 0 0 3 Blue metal stone 0 2 0
white post, with partings							COAL, splint 0 8 COAL, good 6 10
Blue metal stone White post, with							1 1 6 ——————————————————————————————————
partings	0	1	9				
Carried forward	2	4	1	3	5	9	Total 9 3 2

# INDEX.

N.B.—Names of Coal Seams and other beds are in italic. The same name often applies, according to locality, to more than one Seam.

A Pit, Wallsend Colliery, 51. A Pit, Whitley Colliery, 123. A Pit, Whitwell Colliery, 132—135. A Pit, Wideopen Colliery, 155. Air Shaft, Busty Bank, Urpeth Colliery, 11. Air Shaft, Widdrington Colliery, 153. Andrew Pit, Wylam Colliery, 232. Angus's Farm House, White Lee, 115.

B Pit, Whitwell Colliery, 135.
B Pit, Wideopen Colliery, 155.
B Pit, Willington Colliery, 164.
B Seam, 223.
Ballarat Seam, 223.
Barnard Castle, Road from Wolsingham, 205.
Beanmont Seam, 52, 75, 109, 188.

Bensham Scam, 50, 51, 54, 57, 156, 169. Billy Row, 113—115, 219, 220. Big Pit, White Lee Colliery, 114.

Bishop Auckland, 213.

Bishop Auckland and Weardale Railway

Bridge, Witton-le-Wear, 202.
Black Plantation, Whitworth, 143.
Blackbarn, near St. John's, 205.
Bolekow Pit, New White Lee Colliery, 115.
Bottom Seam, 4.
Bought Leases, Wallington, 59, 60.
Boundary House, Willington, 170.
Brancepeth, 222—224.
Brass Thill Seam, 9, 35, 36, 38, 100, 132.
Brockwell Seam, 15, 32, 104, 113, 114, 115, 143, 144, 146, 179, 217, 218, 223, 233.

233.

Brockwell Seam, Bored below, 114, 115, 144, 179, 218, 233.

Broom, 13—15.
Broomy Hill Close, Winlaton, 188.
Burn Side, Waldridge, 33, 34.
Burn's House, Washington, 70.
Burton Beck Road, from Tudhoe, 143.
Busty Bank Air Shaft, Urpeth Colliery, 11.
Busty Bank Seam, 13, 15, 36, 38, 88, 101,

102, 104, 108, 144, 178, 217, 223. Butterlaw Farm, Walbottle, 28, 30.

Byers Green Railway, 142.

C Pit, Washington Colliery, 71.
C Pit. Whitwell Colliery, 137.
C or Gas Pit, Wallsend Colliery, 53.
Cabin Gate Field, Woodhouse Close, 215.
Campbell's North Field. Whitley, 121.
Cannel Coal, 25, 121, 201.
Carlisle Road, Five Mile Stone, 22.
Casebourne & Co., Cement Works, West
Hartlepool, 89.
Cement Works, Warren. Hartlepool, 90.

Cement Works, Warren. Hartlepool, 90. Cellulose Works, West Hartlepool, 90. Cement Works. West Hartlepool, 89. Charlotte Pit, Walker Colliery, 49. Charlton's (Martin) Pit, Whitworth Colliery, 141. Chaytor, Sir William, Witton Park, 194.

Chaytor, Sir William, Witton Park, 194.
Chester Burn, Whittle, 130.
Chester-le-Street, Low Urpeth, 10.
Chester South Moor, 34.
Chester South Moor, Fan Pit, 37.
Chopwell Hall, 112.
Chopwell Lordship, 112.
Church, G or George Pit, Wallsend Col-

liery, 56.
Copperas House, Willington Quay, 174.
Cornsay Road to Wolsingham, 204.
Coronation Pit, Walbottle Colliery, 30.
Corving Pit, Witton Park Colliery, 192.
Crawdon or Crawden Hill Farm, 3.
Crook and Billy Row, 113—115, 219, 220.
Crook, Wheatbottom, 105.

D Pit, Urpeth Colliery, 9.
Dam Head, Woodhouse Close, 218.
Denton Low Main Seam, 233.
Draw Well Staple, Walker Town, 45.
Durham Road, Waldridge, 34.

East Pit, Walker Colliery, 46.
East Pit, Wallsend Colliery, 54.
East Wideopen, 154.
Edmondsley, 97, 98.
Edward Pit. Willington Colliery, 168.
Elliott Pit, Wylam Colliery, 229.
Elliot's Staple, Wallington, 60.
Endeavour Pit, Wylam Colliery, 233,

236 INDEX.

Engine Field, Washington, 68.
Engine Link Pit, Whitley Colliery, 125.
Engine Pit, Urpeth Colliery, 8.
Engine Pit, Walker Colliery, Staple near,
42.
Engine Pit, West Hetton Colliery, 91.
Engine Pit, West Pelton Colliery, 97.
Engine Pit, Westerton Colliery, 95.
Engine Pit, Whitley Colliery, 124.
Engine or North Pit, Woodhouse Close
Colliery, 210, 215, 217.
Engine Seam, 25, 27, 31.
Evenwood, Footpath, 85.

F Pit, Wallsend Colliery, 55.
Fan Pit, Chester South Moor, 37.
Feathercock, Whickham, 110.
Ferney Beds or Ulgham Colliery, 4.
Five Feet Coal Seam, 119.
Five Mile Stone, Carlisle Road, 22.
Five Quarter Seam, 7, 8, 9, 12, 50, 64, 68, 91, 94?, 95, 96, 97, 98, 100, 103, 107, 112, 113, 114, 138, 158, 159, 160?, 161?, 165, 169, 180, 181, 193, 219, 220, 221, 223, 231.
Float Gap, Walker, 40.
Fortune Pit, Walker Colliery, 42.
Four Lane Ends, Ushaw Moor, 14.
Fox's Property, South Wingate, 184.

G Pit, Washington Colliery, 72.
G, George or Church Pit, Wallsend Colliery, 56.
Gamekeeper's Cottage, Low Urpeth, 10.
Garesfield Ground, Winlaton Lordship, 186.
Gas or C Pit, Wallsend Colliery, 53.
Gas-works, Warkworth, 65.
Gaunless River, 84.
George or Church Pit, Wallsend Colliery, 56.
Gin Horse Stables, Walbottle, 23.
Great Whittington, 130.
Green's Freehold, Wallsend, 54.
Grove Seam, 26, 31.

H Pit, Washington Colliery, 73.
Handen Hold, West Pelton Colliery, 98.
Half-way House, Shields Road, 165.
Harbour Office. Warkworth, 65.
Hartlepool, 90.
Hartley Boundary, Whitley, 118.
Haugh Pit, Wylam Colliery, 234.
Harvey Seam, 15, 38, 108, 144, 178, 182, 183.
Hazel Cross, Waldridge, 33.
Hedge Pit, Wylam Colliery, 231.
Helmington, 157—161.
Helmington Row, 104, 105, 162—164.
Heworth, 62, 116.
Hexham, Warden near, 61.
High Blacktens, West Auckland, 80.
High Main Coal Seam, 42, 47, 49, 51, 53, 54, 55, 57, 63, 72?, 73, 114, 126, 138, 155, 156, 169, 172, 173, 174.

High Wooley Farm House, 223.

**Rodge Seam*, 25, 27, 31, 103.

Hobson's Hind's House, Ushaw Moor, 13.

**Horsley Wood Seam*, 233?.

Houndalee Farm House, Widdrington. 148.

Huddlestone, near Tynemouth, 122.

Hudson's House, Whitley, 119, 121.

Hunwick, 157.

Hunwick Lane, 161.

Hunwick and Helmington, 157—161.

Hutton Henry, 184, 185.

**Hutton Seam*, 7, 8, 9, 10, 11, 12, 20, 21, 34, 35, 37, 38, 64, 75. 97, 99, 100, 101, 103, 106?, 108, 132, 134, 136, 138, 139, 144, 170, 178, 181, 183, 190.

I Pit, Washington Colliery, 74. Ice House, Wallington, 60, 61.

Jane Pit, Walker Colliery, 47. Jet Coal, 111. John Pit, Whitefield Colliery, 112. Jobs Hill Gate, near Crook, 162.

Kettledrum Pit, West Stanley Colliery, 99, 100.

King Pit, Walker Colliery, 48.

Lady Pit, Wingate Grange Colliery, 180.
Lamp Pit, West Stanley Colliery, 101.
Leadbitter, Nicholas, property at Warden,
61.
Leather Mill, Urpeth Burn, 4.
Link Cottages, Warkworth, 66.
Link Pit (Engine), Whitley Colliery, 125.
Linton Lane, Ulgham, 1.
Little Pit, White Lea Colliery, 113.
Little Pit, Winlaton, 187.
Lord Pit, Wingate Grange Colliery, 180.
Low Main Drift, Urpeth Colliery, 11.
Low Main Seam, 7, 8, 9, 12, 20, 35, 36, 37, 50, 52, 74, 75, 92, 93, 97, 100, 103, 106?, 108, 117, 122, 123, 124, 125, 132, 136, 138, 181, 183.
Low Main Staple, Wingate Pit, 182.
Low Urpeth, 10.

Low Urpeth, 10.
Low Wood, Whittle, 130.
Lowes' Field Yard, Whitwell West House,
137.
Lynn's Eastermost Meadow Field, Urpeth, 6.

McNoel, Donald, Witton Park, 200.

Main Coal Seam, 7, 8, 9, 12, 19, 26, 27, 32, 34, 36, 44, 68, 71, 75, 94, 96, 97, 98, 100, 103, 106?, 108, 119, 135, 158, 160?, 164, 180, 181, 193, 195, 211, 213, 217, 220, 221.

Main Post, 173.

Margery Pit, Wylam Colliery, 230.
Martin Charleton's Pit, Whitworth Colliery, 141.

Mary Pit, West Stanley Colliery, 102.

Maudlin Seam, 7, 8, 9, 12, 35, 36, 64, 73, 97, 99, 100, 103, 153.

Medomsley, 103.

Metal Coal Seam, 50, 51, 54, 57, 74.

Mill Dam Corner, Walbottle, 23.

Millbank Pit, Willington Colliery, 167.

Mitchell's Field, Whitley, 122.

Monk House, Whitley, 117.

Monkseaton Royalty, Whitley Colliery, 126.

Moor House, Widdrington, 151.

Mown Meadows, Woodifield Colliery, 220.

Narrow Close, Woolsington, 226.
Néther Warden, 61.
New Pit, Urpeth Colliery, 8.
New Pit, Walker Colliery, 47.
New Pit, Whitworth Colliery, 145.
New Washington Colliery, 74, 75.
New Winning, Shiremoor, 171.
New Winning, Shiremoor, 171.
Newburn Winning, Walbottle, 26.
Newcastle Corporation, Walker, 39.
Newcastle and Berwick Railway, 1.
North Eastern Railway, 3.
North Field, West Auckland, 76.
North Willington, 158.
North or Engine Pit, Woodhouse Close
Colliery, 210.

Old Landsale Pit, Woodifield Colliery. 219. Old Moor Royalty, 3. Old Park Wall, Witton Park, 197. Old Pit, Washington, 69. Old South Engine Plane, North Pit, Woodhouse Close Colliery, 217. Old Tower, Whittingham. 129. Old Winning, near Whitridge, 128. Ox Close House, Washington, 67.

Pearson's, Wright, and Todd, Wolsingham, 204. 205. Pease's West Wooley Colliery, 222—224. Pelton, 98. Primrose Pit, Wylam Colliery, 232. Prosperous Pit, Wylam Colliery, 233. Pumping-Engine Pit, West Auckland Colliery, 85.

Quarrington, 91, 92. Quarry Field, Witton Park, 195, 197.

Railway Bridge over River Wear, 162. Railway Bridge, Witton-le-Wear, 202. Railway Metal Bridge, West Auckland, 84. Red Cow Public House, Walbottle Colliery, 28. Richard Pit, Willington Colliery, 173. River Gaunless, 84. River Wear, 161, 162, 202, 203. Robson's Close, Walbottle, 21. Royal Oak, West Auckland, 87. Rye Hill Pit, Whittle, 131. St. Andrew's Auckland, 210-212, 214-St. Helen's Auckland, 81-84, 86, 209. St. John's, Blackbarn, 205. Second Deep Hole, Whitworth, 142. Second Pit, Woolsington, 227. Seventy Fathoms Post, 173. Seventy Fathoms Seam, 174. Shaw's Ground, Usworth, 17. Shield Row Seam, 100, 102. Shiremoor New Engine, 171. Sinking Pit, near Boundary House, Willington Colliery, 170. Six Feet Staple. Handen Hold, West Pelton Colliery, 98. Six Quarter Seam, 50, 229, 230. Sleights House, Witton Gilbert, 189. South Boundary, Woolsington, 226. South Pit, Woodhouse Close Colliery, 212, 214. South Willington, 157. South Wingate Colliery, 184, 185. Spearman's White Lee Colliery, 113. Spennymoor Close, Washington, 74. Sulint Seam, 26, 27. Sunnybrow House, Willington, 161, 162. Sunnybrow Farm House, Willington, 160. Staindrop Field House, West Anckland, 88. Staple, near Engine Pit, Walker Colliery, 42. Stone Coal Seam, 50, 51, 57. 110. Stone Horse Park, Witton Park, 190. Stotts Pow Dene, Walker, 39, 41. Stranton, 89, 90.

Tanfield, 99—102.
Third Deep Hole, Whitworth, 143.
Thristleflatt Owners, Wheatbottom, 105.
Thornley, 107.
Three Quarter Seam, 25. 27, 32, 56, 69, 104, 107, 180, 181, 223.
Tilley Seam, 104.
Tindale Colliery, 209.
Top Seam, 4.
Towlay Hill, Wolsingham, 204.
Town Field, West Auckland, 80.
Towneley Seam, 13, 103, 188.
Tudhoe, Road to Burton Beck, 143.
Tynemouth, Huddlestone, 122.

Ulgham Colliery, 1—4.
Ulgham Grange, 1—4.
Union Pit, Walbottle Colliery, 25.
Urpeth Burn, 4.
Urpeth Colliery, 4—13.
Urpeth Ford, 5.
Ushaw College, 14.
Ushaw Moor Colliery, 13—15.
Usworth Colliery, 16—20.
Usworth Place, 16, 17.

Victoria Seam, 179.

Walbottle Colliery, 21—32. Waldridge Colliery, 33-37. Waldridge Common, 33, 34. Waldridge Fell Colliery, 36. Wallington, 58-61. Wallington Hall Stables, 58. Wallsend Colliery, 51-56. Wallsend Pit, Windleston, West Auckland Colliery, 86. Walker Colliery, 39—49. Walker Town, Draw Well Staple, 45. Walker Town, Well, 40. Warcombe, Walker, 42. Warden, 61. Wardley Colliery, 62. Warkworth, 65, 66. Warren Cement Works, Hartlepool, 90. Washington Colliery, 67-75. Washington Common, 70. Wear River, 161, 162, 202, 203. Weardale and Bishop Auckland Railway Bridge, Witton-le-Wear, 202. Weetslade, 154, 155. Wellington Pit, Walbottle Colliery, 26. West Auckland, 210. West Auckland Colliery, 76-88. West Durham Railway Bridge, 162. West Hartlepool, 89, 90. West Hetton Colliery, 91, 92. West Mill Dam, Woodhouse Close, 213. West Pelton Colliery, 97, 98. West Plantation, Wallington, 58. West Stanley Colliery, 99-102. Westerton Colliery, 92-96. Westwood Winning, 103. Wheat Bottom, 104, 105. Wheatley Green Estate. 106. Wheatley Hill Colliery, 107. Whickham Colliery, 109, 110. Whickham Fell, 110. White Lee Colliery, 113—115. White Mare Pool, 116. White Mare Pool, Wardley Colliery, 62. Whitefield Colliery, 112. Whitley Colliery, 117-126. Whitley Links, 118.
Whitley Park, 118, 120, 124, 126.
Whitridge, 127, 128.
Whitridge, Old Winning, 128.

Whittingham, 129. Whittington, 130. Whittle, 130, 131. Whitwell Colliery, 132 - 139. Whitwell Grange, 139. Whitwell House, 132-139. Whitwell West House, 137. Whitworth Colliery, 140—147. Whitworth Park, 140. Whitworth Park Pit, Whitworth Colliery, 144. Widdrington Castle, 152. Widdrington Colliery, 148—158. Widdrington Park, 148. Wideopen Colliery, 154, 155. Wilkinson, G., Woodifield Colliery, 220. William Pit, Witton Park Colliery, 193. Willington Burn, 158, 176. Willington Colliery, Durham, 157-164. Willington Colliery, Northumberland, 165. Willington Quay, 174. Windleston Colliery, 177. Windleston Wallsend Pit, West Auckland Colliery, 86. Wingate Grange Colliery, 180—183.
Wingate Pit, Wingate Grange Colliery, 182. Winlaton Lordship, 186. Witton Castle, 190, 191, 192. Witton Gilbert, Sleight's House, 189. Witton Park Colliery, 190-202. Witton-le-Wear. 190—203. Wolsingham, 204, 205. Wolsingham, Road from Cornsay, 204. Woodhorn, 205—208. Woodhouse Colliery, 209. Woodhouse Close Colliery, 210-218. Woodifield Colliery, 219, 220. Woodland Colliery, 221. Wooley Colliery, 222--224. Woolsington, 224—227. Woolsington Bridge, 227. Wright's (Mrs.) House, Whitley, 119. Wylam Colliery, 227-234. Wylam Common, 227-228. Wylam Ford, 228.

Yard Coal Seam, 50, 51, 57, 83, 124, 169, 206?, 207?, 209, 211, 212, 232, 233.









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